Wright County, Minnesota

[Data apply to the entire extent of the map unit within the survey area. Map unit and soil properties for a specific parcel of land may vary somewhat and should be determined by onsite investigation]

7A--Hubbard loamy sand, 0 to 2 percent slopes

Hubbard

Extent: 95 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): stream terraces, outwash plains Wind erodibility group (WEG): 2

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .10

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil	profile:	Texture	Permeability	Available water capacity	рН
Ap,AB 0 to	20 in	loamy sand	rapid	1.61 to 2.41 in	5.1 to 7.3
Bw 20 to	32 in	loamy sand	rapid	0.35 to 0.83 in	5.1 to 7.3
BC,C 32 to	80 in	sand	rapid	1.44 to 3.36 in	5.6 to 7.8

7B--Hubbard loamy sand, 2 to 6 percent slopes

Hubbard

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on stream terraces, hills on outwash plains

Wind erodibility group (WEG): 2

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .10

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 4s

Flooding: none

Hydric soil: no

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative s	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0	to 18 in	loamy sand	rapid	1.45 to 2.17 in	5.1 to 7.3
Bw 18	to 23 in	loamy sand	rapid	0.14 to 0.33 in	5.1 to 7.3
BC,C 23	to 80 in	sand	rapid	1.71 to 4.00 in	5.6 to 7.8



Wright County, Minnesota

7C--Hubbard loamy sand, 6 to 12 percent slopes

Hubbard

Extent: 80 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 2

Slope gradient: 6 to 12 percent Wind erodibility index (WEI): 134

Parent material: outwash Kw factor (surface layer) .15

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 6s

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil profit	le: Texture	Permeability	Available water capacity	рН
Ap,AB 0 to 12 in	loamy sand	rapid	0.94 to 1.42 in	5.1 to 7.3
Bw 12 to 33 in	coarse sand	rapid	0.64 to 1.49 in	5.1 to 7.3
C 33 to 80 in	coarse sand	rapid	1.41 to 3.28 in	5.6 to 7.8

8B--Sparta loamy sand, 1 to 6 percent slopes

Sparta

Extent: 95 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 2

Slope gradient: 1 to 6 percent Wind erodibility index (WEI): 134

Parent material: outwash Kw factor (surface layer) .17

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 4s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representativ	e soil profile:	Texture	Permeability	Available water capacity	рН
Ар,А	0 to 16 in	loamy sand	moderately rapid	1.45 to 1.94 in	5.1 to 7.3
Bw	16 to 29 in	loamy sand	rapid	0.65 to 1.43 in	5.1 to 7.3
C	29 to 60 in	sand	rapid	1.23 to 2.15 in	5.1 to 7.3



Wright County, Minnesota

35--Blue Earth mucky silty clay loam, depressional, 0 to 1 percent slopes

Blue Earth, depressional

Extent: 80 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): depressions on moraines

Wind erodibility group (WEG): 4L

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 86

Parent material: coprogenous earth over till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile	: Texture	Permeability	Available water capacity	рН	
Ap 0 to 10 in	mucky silty clay loam	moderate	1.77 to 2.36 in	7.4 to 8.4	
Cg 10 to 68 in	mucky silty clay loam	moderate	10.42 to 13.89 in	7.4 to 8.4	
2Ca 68 to 80 in	loam	moderate	1.83 to 2.32 in	7.4 to 8.4	

74B--Dickinson fine sandy loam, 1 to 6 percent slopes

Dickinson

Extent: 95 percent of the unit Soil loss tolerance (T factor): 3

Landform(s): hills on outwash plains, hills on stream terraces

Wind erodibility group (WEG): 3

Slope gradient: 1 to 6 percent Wind erodibility index (WEI): 86
Parent material: outwash Kw factor (surface layer) .24

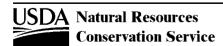
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative soil profile	Texture	Permeability	Available water capacity	рН
Ap,A1,A2 0 to 18 in	fine sandy loam	moderately rapid	2.17 to 2.72 in	5.6 to 7.3
Bw1,Bw2 18 to 30 in	fine sandy loam	moderately rapid	1.42 to 1.77 in	5.1 to 6.5
BC 30 to 36 in	loamy sand	rapid	0.12 to 0.24 in	5.6 to 7.3
C 36 to 60 in	sand	rapid	0.48 to 0.96 in	5.6 to 7.3



Wright County, Minnesota

86--Canisteo clay loam, moderately fine substratum, 0 to 2 percent slopes

Canisteo

Extent: 80 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): flats on moraines, rims on depressions Wind erodibility group (WEG): 4L

Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 86

Parent material: till Kw factor (surface layer) .24
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2w

Flooding: none

Hydric soil: yes

Ponding: none

Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profit	le: Texture	Permeability	Available water capacity	pН
Ap,A 0 to 18 in	clay loam	moderate	3.26 to 3.98 in	7.4 to 8.4
Bkg 18 to 39 in	loam	moderate	3.13 to 3.96 in	7.4 to 8.4
Cg 39 to 80 in	loam	moderate	6.14 to 7.78 in	7.4 to 8.4

106C2--Lester loam, 6 to 12 percent slopes, eroded

Restrictive feature(s): greater than 60 inches

Lester, eroded

Extent: 70 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 48

Parent material: till

Kw factor (surface layer) .24

Flooding: none

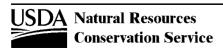
Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profi	le: Texture	Permeability	Available water capacity	рН
Ap 0 to 7 in	loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt 7 to 38 in	clay loam	moderate	4.67 to 5.91 in	5.1 to 7.3
Bk 38 to 60 in	loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C 60 to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4



Land capability, nonirrigated: 3e

Wright County, Minnesota

106D2--Lester loam, 12 to 18 percent slopes, eroded

Lester, eroded

Extent: 80 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .32
Land capability, nonirrigated: 4e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

A collecte contact

Representative soil profile	Texture	Permeability	capacity	pН
Ap 0 to 7 in	loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt 7 to 38 in	clay loam	moderate	4.67 to 5.91 in	5.1 to 7.3
Bk 38 to 60 in	loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C 60 to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Wright County, Minnesota

106E--Lester loam, 18 to 25 percent slopes

Lester

Extent: 80 percent of the unit

Landform(s): hills on moraines

Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6 Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 6e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative soil profil	e: Textu	ure Permeability	Available water capacity	рН
A 0 to 5 in	loam	moderate	1.02 to 1.13 in	5.6 to 7.3
BE,Bt 5 to 34 in	clay loam	moderate	4.31 to 5.46 in	5.1 to 7.3
Bk 34 to 60 in	loam	moderate	3.90 to 4.94 in	7.4 to 8.4
C 60 to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4

109--Cordova clay loam, 0 to 2 percent slopes

Cordova

Extent: 90 percent of the unit

Landform(s): drainageways on moraines

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6 Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

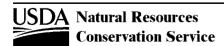
Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

Representative soil p	rofile: Texture	Permeability	Available water capacity	рН
Ap,A 0 to 18	3 in clay loam	moderately slow	3.26 to 3.98 in	6.1 to 7.3
Btg 18 to 38	3 in clay loam	moderately slow	3.01 to 3.81 in	5.1 to 7.3
Cg 38 to 80) in loam	moderate	6.26 to 7.93 in	7.4 to 8.4



Wright County, Minnesota

114--Glencoe clay loam, depressional, 0 to 1 percent slopes

Glencoe, depressional

Extent: 90 percent of the unit

Landform(s): depressions on moraines

Wind erodibility group (WEG): 6

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 48

Parent material: till

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: B/D

Representative soil	profile:		Texture	Permeability	Available water capacity	рН
Ap 0 to	10 in	clay loam		moderate	1.77 to 2.17 in	6.1 to 7.8
A,ABg 10 to	35 in	clay loam		moderate	4.54 to 5.54 in	6.1 to 7.8
Bg 35 to	48 in	loam		moderate	1.95 to 2.47 in	6.6 to 7.8
Cg 48 to	60 in	loam		moderate	1.77 to 2.24 in	7.4 to 8.4



Wright County, Minnesota

138--Lerdal silty clay loam, 1 to 3 percent slopes

Lerdal

Extent: 80 percent of the unit

Landform(s): moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 1 to 3 percent

Wind erodibility index (WEI): 48

Parent material: glaciofluvial sediments and reworked till over

Kw factor (surface layer) .37

till

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no

Ponding: none Hydrologic group: C/D

Drainage class: somewhat poorly drained Potential for frost action: high

Representative soil p	orofile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 7	7 in silty clay loam		moderate	1.28 to 1.56 in	5.6 to 6.5
E 7 to 9	9 in silty clay loam		moderate	0.35 to 0.43 in	5.6 to 6.5
Bt,Btg,Bw 9 to 4	47 in silty clay loam		slow	4.91 to 7.18 in	4.5 to 6.0
Bk 47 to 6	60 in clay loam		moderate	1.95 to 2.47 in	7.4 to 8.4

158A--Zimmerman fine sand, 0 to 3 percent slopes

Zimmerman

Extent: 90 percent of the unit

Landform(s): outwash plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 1

Slope gradient: 0 to 3 percent

Wind erodibility index (WEI): 250

Parent material: outwash

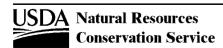
Kw factor (surface layer) .10

Land capability, nonirrigated: 4s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representativ	e soil profile:	Texture	Permeability	capacity	рН
Ap	0 to 7 in	fine sand	rapid	0.50 to 0.64 in	5.1 to 6.5
E,Bw,E&Bt	7 to 80 in	fine sand	rapid	4.37 to 7.28 in	5.1 to 7.3



Available water

Wright County, Minnesota

158B--Zimmerman fine sand, 3 to 6 percent slopes

Zimmerman

Extent: 90 percent of the unit

Landform(s): hills on outwash plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 1

Slope gradient: 3 to 6 percent

Wind erodibility index (WEI): 250

Parent material: outwash

Kw factor (surface layer) .10

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representativ	e soil profile:	Texture	Permeability	capacity	рН
Ар	0 to 7 in	fine sand	rapid	0.50 to 0.64 in	5.1 to 6.5
E,Bw,E&Bt	7 to 80 in	fine sand	rapid	4.37 to 7.28 in	5.1 to 7.3

158C--Zimmerman fine sand, 6 to 12 percent slopes

Zimmerman

Extent: 90 percent of the unit

Landform(s): hills on outwash plains

Wind erodibility group (WEG): 1

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 250

Parent material: outwash

Kw factor (surface layer) .10

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 6s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative so	oil profile:	Texture	Permeability	Available water capacity	рН
Ap 0	to 7 in fine	e sand	rapid	0.50 to 0.64 in	5.1 to 6.5
E,Bw,E&Bt 7	to 80 in fine	e sand	rapid	4.37 to 7.28 in	5.1 to 7.3



Available water

Wright County, Minnesota

158E--Zimmerman fine sand, 12 to 25 percent slopes

Zimmerman

Extent: 85 percent of the unit

Landform(s): hills on outwash plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 1

Slope gradient: 12 to 25 percent

Wind erodibility index (WEI): 250

Parent material: outwash

Kw factor (surface layer) .10

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 6s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representativ	e soil profile:	Texture	Permeability	capacity	рН
Α	0 to 3 in	fine sand	rapid	0.22 to 0.28 in	5.1 to 6.5
E,Bw,E&Bt	3 to 80 in	fine sand	rapid	4.61 to 7.68 in	5.1 to 7.3

169C--Braham loamy fine sand, 6 to 12 percent slopes

Braham

Extent: 90 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 134

Parent material: outwash over till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: low

Representative soil	profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to	8 in	loamy fine sand	rapid	0.79 to 0.94 in	5.6 to 7.3
E 8 to	28 in	loamy sand	rapid	1.61 to 2.01 in	5.6 to 7.3
2Bt 28 to	48 in	clay loam	moderate	3.01 to 3.61 in	5.1 to 7.3
2Bk 48 to	80 in	loam	moderate	4.78 to 5.74 in	7.4 to 8.4



Wright County, Minnesota

181--Litchfield loamy fine sand, 0 to 2 percent slopes

Litchfield

Extent: 95 percent of the unit

Landform(s): outwash plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3s

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B/D

Drainage class: somewhat poorly drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	pН
Ap,A,AB 0 to 20 in	loamy fine sand	rapid	2.01 to 2.41 in	5.1 to 7.3
Bw 20 to 33 in	fine sand	moderately rapid	0.91 to 2.08 in	5.1 to 7.3
BC 33 to 40 in	very fine sandy loam	moderate	1.20 to 1.35 in	5.1 to 7.3
C 40 to 80 in	loamy fine sand	rapid	3.18 to 3.98 in	6.1 to 7.8

229--Waldorf silty clay loam, 0 to 2 percent slopes

Waldorf

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): flats on lake plains, flats on moraines Wind erodibility group (WEG): 4

Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 86

Parent material: glaciolacustrine sediments Kw factor (surface layer) .28

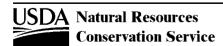
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: C/D

Drainage class: poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A,AB	0 to 20 in	silty clay loam	moderately slow	3.61 to 5.02 in	6.1 to 7.3
Bg 2	0 to 53 in	silty clay	moderately slow	4.30 to 5.29 in	6.6 to 7.8
Cg 5	3 to 80 in	silty clay loam	moderately slow	5.35 to 5.89 in	7.4 to 8.4



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Wright County, Minnesota

231C--Lester fine sandy loam, 6 to 12 percent slopes

Lester

Extent: 80 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 9 in	fine sandy loam	moderately rapid	1.09 to 1.36 in	5.6 to 7.3
BE,Bt	9 to 53 in	clay loam	moderate	6.61 to 8.38 in	5.1 to 7.3
C 5	53 to 80 in	loam	moderate	4.02 to 5.09 in	7.4 to 8.4

231D--Lester fine sandy loam, 12 to 18 percent slopes

Lester

Extent: 80 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 12 to 18 percent

Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4e

Flooding: none

Hydric soil: no

Ponding: none Hydrologic group: B

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 6 in	fine sandy loam	moderately rapid	0.71 to 0.89 in	5.6 to 7.3
Bt	6 to 34 in	clay loam	moderate	4.19 to 5.31 in	5.1 to 7.3
C 3	34 to 80 in	loam	moderate	6.91 to 8.75 in	7.4 to 8.4



Wright County, Minnesota

235--Nessel loam, 1 to 3 percent slopes

Nessel

Extent: 85 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): moraines Wind erodibility group (WEG): 5

Slope gradient: 1 to 3 percent

Wind erodibility index (WEI): 56

Parent material: till

Kw factor (surface layer) .37

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 1

Flooding: none

Hydric soil: no

Ponding: none Hydrologic group: C

Drainage class: moderately well drained Potential for frost action: high

Representative soil pro	file: Texture	Permeability	Available water capacity	рН
Ap 0 to 6 in	loam	moderate	1.18 to 1.30 in	5.6 to 7.3
Bt 6 to 38 i	n clay loam	moderate	4.84 to 6.13 in	5.1 to 7.3
C 38 to 80 i	n loam	moderate	6.26 to 7.93 in	7.4 to 8.4

239--Le Sueur clay loam, 1 to 3 percent slopes

Le Sueur

Extent: 80 percent of the unit

Landform(s): moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 1 to 3 percent

Wind erodibility index (WEI): 48

Parent material: till

Kw factor (surface layer) .24

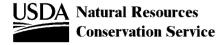
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 1

Flooding: none Hydric soil: no

Ponding: none Hydrologic group: B/D

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,AB 0 to 17 in	clay loam	moderate	2.88 to 3.39 in	5.6 to 7.3
Bt 17 to 37 in	clay loam	moderate	3.01 to 3.81 in	5.1 to 7.3
Bk 37 to 46 in	loam	moderate	1.36 to 1.72 in	7.4 to 8.4
C 46 to 80 in	loam	moderate	5.08 to 6.43 in	7.4 to 8.4



Wright County, Minnesota

247--Linder loam, 0 to 2 percent slopes

Linder

Extent: 90 percent of the unit Soil loss tolerance (T factor): 3

Landform(s): outwash plains, stream terraces Wind erodibility group (WEG): 5

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 56

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Wind erodibility index (WEI): 56

Kw factor (surface layer) .32

Land capability, nonirrigated: 2s

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B/D

Drainage class: somewhat poorly drained Potential for frost action: high

Representative soi	Toyture Dormochility		Available water capacity	рН	
Ap,A 0 to	13 in	loam	moderate	2.60 to 2.86 in	6.1 to 7.3
Bw 13 to	24 in	sandy loam	moderately rapid	1.65 to 1.87 in	6.1 to 7.3
2C 24 to	60 in	stratified gravelly coarse sand to coarse sand to loamy coarse sand	very rapid	0.72 to 1.43 in	7.4 to 8.4

255--Mayer loam, 0 to 2 percent slopes

Mayer

Extent: 85 percent of the unit Soil loss tolerance (T factor): 3

Landform(s): flats on outwash plains, flats on stream terraces Wind erodibility group (WEG): 4L Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 86

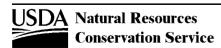
Parent material: outwash Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: B/D

Representative soil profile	e: Texture	Permeability	Available water capacity	рН
Ap,A1,A2 0 to 18 in	loam	moderate	3.62 to 3.98 in	7.4 to 8.4
Bg 18 to 33 in	sandy clay loam	moderate	2.39 to 2.84 in	7.4 to 8.4
2C 33 to 80 in	gravelly coarse sand	rapid	0.94 to 1.87 in	7.4 to 8.4



Wright County, Minnesota

256--Mazaska silty clay loam, 0 to 2 percent slopes

Mazaska

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): drainageways on moraines, flats on moraines

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 48

Parent material: glaciofluvial sediments and reworked till over Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: none

Hydric soil: yes

Ponding: none

Hydrologic group: C/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 15 in	silty clay loam	moderately slow	2.54 to 3.29 in	6.1 to 7.3
Btg 15 to 42 in	clay	slow	2.72 to 4.35 in	4.5 to 6.5
Bka 42 to 80 in	loam	moderate	5 67 to 7 18 in	7.4 to 8.4

258B--Sandberg loamy sand, 2 to 6 percent slopes

Sandberg

Extent: 95 percent of the unit

Landform(s): hills on stream terraces

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .15

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil profile:		Texture	Permeability	Available water capacity	рН
Ap,A	0 to 12 in	loamy sand	rapid	1.18 to 1.42 in	5.6 to 7.8
Bw 12	2 to 19 in	gravelly loamy coarse sand	rapid	0.21 to 0.71 in	6.1 to 7.8
Bk,C 19	9 to 80 in	gravelly coarse sand	very rapid	1.22 to 3.66 in	7.4 to 8.4



Wright County, Minnesota

258C--Sandberg loamy sand, 6 to 12 percent slopes

Sandberg

Extent: 90 percent of the unit

Landform(s): hills on stream terraces

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .15

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 6s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative :	Pormobility		Available water capacity	рН	
Ap,A () to 12 in	loamy sand	rapid	1.18 to 1.42 in	5.6 to 7.8
Bw 12	2 to 19 in	gravelly loamy coarse sand	rapid	0.21 to 0.71 in	6.1 to 7.8
Bk,C 19	9 to 80 in	gravelly coarse sand	very rapid	1.22 to 3.66 in	7.4 to 8.4

258E--Sandberg loamy sand, 12 to 35 percent slopes

Sandberg

Extent: 85 percent of the unit

Landform(s): hills on stream terraces

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Slope gradient: 12 to 35 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .15

Restrictive feature(s): greater than 60 inches

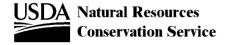
Land capability, nonirrigated: 7s

Hydric soil: no

Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil profile:		l profile:	Texture	Permeability	Available water capacity	рН
A	0 to	12 in	loamy sand	rapid	1.18 to 1.42 in	5.6 to 7.8
Bw	12 to	19 in	gravelly loamy coarse sand	rapid	0.21 to 0.71 in	6.1 to 7.8
Bk,C	19 to	80 in	gravelly coarse sand	very rapid	1.22 to 3.66 in	7.4 to 8.4



Wright County, Minnesota

260--Duelm loamy sand, 0 to 2 percent slopes

Duelm

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): stream terraces, outwash plains Wind erodibility group (WEG): 2

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .10

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none Hydric soil: no Ponding: none Hydrologic group: A

Drainage class: moderately well drained Potential for frost action: moderate

Representative soil pr	rofile:	Texture	Permeability	Available water capacity	рН
Ap,AB 0 to 16	6 in loamy sand		rapid	1.29 to 1.94 in	5.6 to 7.3
Bw 16 to 30	0 in coarse sand		rapid	0.83 to 1.52 in	5.1 to 7.3
C 30 to 80	0 in coarse sand		rapid	1.00 to 3.50 in	5.6 to 7.8

261--Isan sandy loam, depressional, 0 to 1 percent slopes

Isan, depressional

Extent: 90 percent of the unit

Soil loss tolerance (T factor): 2

Landform(s): depressions on stream terraces, depressions on Wind erodibility group (WEG): 3 outwash plains

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 86
Parent material: outwash Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 6w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: A/D

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Α (0 to 14 in	sandy loam	moderately rapid	1.42 to 2.13 in	5.6 to 7.3
AB,Bg 14	4 to 34 in	loamy sand	rapid	1.18 to 1.97 in	5.1 to 6.5
Cg 34	4 to 80 in	coarse sand	rapid	1.84 to 2.76 in	5.6 to 7.3



Wright County, Minnesota

286B--Shorewood silty clay loam, 3 to 6 percent slopes

Shorewood

Extent: 95 percent of the unit

Landform(s): hills on lake plains, hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 3 to 6 percent Wind erodibility index (WEI): 48

Parent material: lacustrine sediments over till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: C/D

Drainage class: moderately well drained Potential for frost action: high

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A,AB	0 to 17 in	silty clay loam	moderately slow	3.05 to 3.72 in	5.6 to 7.3
Bt	17 to 39 in	silty clay	moderately slow	2.87 to 3.53 in	5.1 to 7.3
2BCg,2Cg	39 to 60 in	loam	moderate	3.13 to 3.96 in	7.4 to 8.4

294A--Rasset sandy loam, 0 to 2 percent slopes

Rasset

Extent: 90 percent of the unit Soil loss tolerance (T factor): 3

Landform(s): stream terraces, outwash plainsWind erodibility group (WEG): 3Slope gradient: 0 to 2 percentWind erodibility index (WEI): 86Parent material: outwashKw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2s

Flooding: none

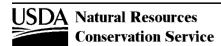
Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 15 in	sandy loam	moderately rapid	1.94 to 2.24 in	5.1 to 7.3
Bt 15 to 28 in	sandy loam	moderately rapid	1.56 to 2.47 in	5.1 to 7.3
2BC 28 to 36 in	loamy sand	rapid	0.47 to 0.87 in	5.1 to 7.3
2C 36 to 80 in	sand	verv rapid	0.88 to 3.09 in	5.1 to 7.8



Wright County, Minnesota

323--Shields silty clay loam, 0 to 3 percent slopes

Shields

Extent: 95 percent of the unit

Landform(s): moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 0 to 3 percent

Wind erodibility index (WEI): 48

Parent material: glaciofluvial sediments and reworked till over

Kw factor (surface layer) .32

till

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: none Hydric soil: no

Ponding: none Hydrologic group: C/D

Representativ	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 8 in	silty clay loam	moderate	1.42 to 1.73 in	5.6 to 6.5
BE,Btg	8 to 41 in	silty clay	slow	3.31 to 5.29 in	5.6 to 6.5
2Bk	41 to 80 in	silty clay loam	moderate	4.29 to 7.41 in	7.4 to 8.4

Wright County, Minnesota

327A--Dickman sandy loam, 0 to 2 percent slopes

Dickman

Extent: 85 percent of the unit

Landform(s): stream terraces, outwash plains Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 3s

Hydric soil: no Hydrologic group: A

Potential for frost action: low

Representative soil pr	ofile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 12	2 in sandy loam		moderately rapid	1.54 to 1.77 in	5.6 to 6.5
Bw 12 to 19	in sandy loam		moderately rapid	0.85 to 0.99 in	5.6 to 7.3
2Bw 19 to 33	in loamy sand		rapid	0.43 to 0.99 in	5.6 to 7.3
2C 33 to 80) in sand		rapid	0.94 to 3.28 in	6.1 to 7.8

Wright County, Minnesota

327B--Dickman sandy loam, 2 to 6 percent slopes

Dickman

Extent: 85 percent of the unit

Landform(s): hills on stream terraces, hills on outwash plains

Slope gradient: 2 to 6 percent Parent material: outwash

Destrictive feeture (a) amonton these CO in the

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 12 in	sandy loam	moderately rapid	1.54 to 1.77 in	5.6 to 6.5
Bw 12 to 19 in	sandy loam	moderately rapid	0.85 to 0.99 in	5.6 to 7.3
2Bw 19 to 33 in	loamy sand	rapid	0.43 to 0.99 in	5.6 to 7.3
2C 33 to 80 in	sand	rapid	0.94 to 3.28 in	6.1 to 7.8

Wright County, Minnesota

375--Forada loam, 0 to 2 percent slopes

Forada

Extent: 85 percent of the unit Soil loss tolerance (T factor): 3 Wind erodibility group (WEG): 5

Landform(s): drainageways on outwash plains, drainageways

on stream terraces

Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 56 Parent material: outwash Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2w

Flooding: none Hydric soil: yes Ponding: none Hydrologic group: B/D

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 16 in	loam	moderate	3.23 to 3.55 in	6.1 to 7.3
Bg '	16 to 28 in	loam	moderately rapid	1.42 to 2.24 in	6.1 to 7.8
2Cg 2	28 to 60 in	coarse sand	rapid	0.64 to 3.19 in	6.6 to 8.4

Wright County, Minnesota

392--Biscay loam, 0 to 2 percent slopes

Biscay

Extent: 90 percent of the unit

Landform(s): drainageways on outwash plains, flats on

outwash plains, drainageways on stream

terraces, flats on stream terraces

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 3 Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48
Kw factor (surface layer) .28
Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A1,A2	0 to 20 in	loam	moderate	4.02 to 4.42 in	6.1 to 7.8
Bg 2	20 to 28 in	loam	moderate	1.34 to 1.50 in	6.6 to 7.8
2BCg 2	28 to 36 in	gravelly loam	moderately rapid	0.87 to 1.34 in	6.6 to 7.8
2Cg 3	36 to 60 in	stratified gravelly coarse sand to loamy sand	rapid	0.48 to 0.96 in	7.4 to 8.4

Wright County, Minnesota

406--Dorset sandy loam, 0 to 2 percent slopes

Dorset

Extent: 90 percent of the unit Soil loss tolerance (T factor): 2

Landform(s): stream terraces, outwash plains Wind erodibility group (WEG): 3

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative so	il profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to	11 in	sandy loam	moderately rapid	1.43 to 1.65 in	5.6 to 7.3
Bt 11 to	19 in	sandy loam	moderately rapid	0.94 to 1.50 in	5.6 to 7.3
2BC 19 to	32 in	gravelly loamy sand	rapid	0.78 to 1.30 in	6.6 to 8.4
2C 32 to	80 in	gravelly coarse sand	rapid	0.96 to 1.92 in	7.4 to 8.4

414--Hamel loam, 1 to 3 percent slopes

Hamel

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): drainageways on morainesWind erodibility group (WEG): 6Slope gradient: 1 to 3 percentWind erodibility index (WEI): 48Parent material: colluvium over tillKw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: C/D

Representative soil profile	Texture	Permeability	Available water capacity	рН
Ap,A,AB 0 to 24 in	loam	moderate	4.80 to 5.76 in	5.6 to 7.3
Btg 24 to 46 in	clay loam	moderately slow	3.53 to 4.19 in	5.6 to 7.3
Cg 46 to 80 in	loam	moderate	5.08 to 6.43 in	7.4 to 8.4



Wright County, Minnesota

441--Almora loam, 0 to 2 percent slopes

Almora

Extent: 90 percent of the unit
Landform(s): outwash plains
Slope gradient: 0 to 2 percent
Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3
Wind erodibility group (WEG): 5
Wind erodibility index (WEI): 56
Kw factor (surface layer) .32
Land capability, nonirrigated: 2s

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative soil p	rofile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 1	0 in loam		moderate	1.97 to 2.17 in	5.6 to 7.3
BE 10 to 1	4 in fine sandy loa	am	moderate	0.52 to 0.82 in	5.6 to 7.3
Bt 14 to 3	6 in loam		moderate	3.03 to 4.11 in	5.6 to 7.3
2Bt 36 to 4	1 in loamy sand		rapid	0.10 to 0.56 in	5.6 to 7.8
2C 41 to 8	0 in gravelly coars	se sand	rapid	0.78 to 2.73 in	7.4 to 8.4

Wright County, Minnesota

461B--Koronis loam, 2 to 6 percent slopes

Koronis

Extent: 85 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 56

Parent material: till

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative so	il profile:	Texture	Permeability	Available water capacity	pН
Ap 0 to	o 8 in	loam	moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt 8 to	o 31 in	loam	moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk,C 31 to	o 80 in	fine sandy loam	moderately rapid	5.37 to 7.81 in	7.4 to 8.4

461C2--Koronis loam, 6 to 12 percent slopes, eroded

Koronis, eroded

Extent: 80 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 56

Parent material: till

Kw factor (surface layer) .37

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3e

Flooding: none

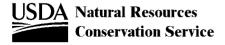
Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 8 in	loam	moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt 8 to 31 in	loam	moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk,C 31 to 80 in	fine sandy loam	moderately rapid	5.37 to 7.81 in	7.4 to 8.4



Wright County, Minnesota

461E--Koronis loam, 18 to 40 percent slopes

Koronis

Extent: 80 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Slope gradient: 18 to 40 percent

Wind erodibility index (WEI): 56

Parent material: till

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 7e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 7 in	loam	moderately rapid	1.42 to 1.56 in	5.6 to 7.3
Bt	7 to 28 in	loam	moderately rapid	3.13 to 3.96 in	5.6 to 7.3
Bk 2	8 to 80 in	fine sandy loam	moderately rapid	5.72 to 8.31 in	7.4 to 8.4

511--Marcellon loam, map <30, 0 to 3 percent slopes

Marcellon, MAP<30

Extent: 85 percent of the unit

Landform(s): moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Slope gradient: 0 to 3 percent

Wind erodibility index (WEI): 56

Parent material: till

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

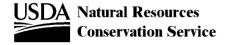
Land capability, nonirrigated: 1

Flooding: none

Hydric soil: no

Ponding: none Hydrologic group: B/D

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 13 in	loam	moderate	2.21 to 3.12 in	5.6 to 7.3
Bt 1:	3 to 32 in	loam	moderate	2.27 to 3.40 in	5.6 to 7.3
Bk 3	2 to 60 in	sandy loam	moderately rapid	3.07 to 4.47 in	7.4 to 8.4



Wright County, Minnesota

523--Houghton muck, depressional, 0 to 1 percent slopes

Houghton, drained

Extent: 80 percent of the unit Soil loss tolerance (T factor): 2

Landform(s): depressions on moraines Wind erodibility group (WEG): 2
Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 134

Parent material: organic material Kw factor (surface layer) .02

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: A/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:

Oap -- 0 to 10 in muck moderately rapid 3.44 to 4.43 in moderately rapid 24.53 to 31.54 in

525--Muskego muck, depressional, 0 to 1 percent slopes

Muskego, surface drained

Extent: 75 percent of the unit Soil loss tolerance (T factor): 1

Landform(s): depressions on moraines Wind erodibility group (WEG): 2

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 134

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 6w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: C/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profit	le: Texture	Permeability	capacity	рН
Oa1 0 to 9 in	muck	moderately rapid	3.17 to 4.07 in	
Oa2 9 to 36 in	muck	moderately rapid	9.37 to 12.05 in	
Lco 36 to 60 in	coprogenous earth	slow	4.32 to 5.76 in	



Available water

Wright County, Minnesota

539--Klossner muck, depressional, 0 to 1 percent slopes

Klossner, drained

Extent: 80 percent of the unit

Soil loss tolerance (T factor): 1

Landform(s): depressions on moraines Wind erodibility group (WEG): 2
Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 134

Parent material: organic material over till

Kw factor (surface layer) .02

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Oap,Oa 0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 26 to 36 in	mucky silty clay loam	moderate	2.17 to 2.56 in	
2A2 36 to 48 in	silty clay loam	moderate	2.20 to 2.69 in	
2Ca 48 to 80 in	loam	moderate	4.78 to 6.06 in	

540--Seelyeville muck, depressional, 0 to 1 percent slopes

Seelyeville, surface drained

Extent: 80 percent of the unit Soil loss tolerance (T factor): 2

Landform(s): depressions on moraines, depressions on Wind erodibility group (WEG): 2

outwash plains

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 134

Parent material: organic material

Kw factor (surface layer) .02

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 6w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: A/D

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Oa1 0 to 10 in	muck	moderately rapid	3.44 to 4.43 in	
Oa2,Oa5 10 to 80 in	muck	moderately rapid	24.53 to 31.54 in	



Wright County, Minnesota

543--Markey muck, depressional, 0 to 1 percent slopes

Markey, surface drained

Extent: 80 percent of the unit Soil loss tolerance (T factor): 1

Landform(s): depressions on stream terraces, depressions on Wind erodibility group (WEG): 2

outwash plains

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 134

Parent material: organic material over outwash

Restrictive feature(s): greater than 60 inches

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: A/D

Representative	soil profile:	Textu	ıre	Permeability	Available water capacity	рН
Oa	0 to 36 in	muck		moderately rapid	12.54 to 16.12 in	
A 3	36 to 42 in	loamy sand		rapid	0.19 to 0.50 in	
Cg 4	12 to 80 in	sand		rapid	1.13 to 3.02 in	



Wright County, Minnesota

548--Medo muck, depressional, 0 to 1 percent slopes

Medo, drained

Extent: 80 percent of the unit Soil loss tolerance (T factor): 1

Landform(s): depressions on stream terraces, depressions on Wind erodibility group (WEG): 2

outwash plains

Restrictive feature(s): greater than 60 inches

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 134

Parent material: organic material over outwash

Kw factor (surface layer) .02

Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: A/D

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Oap,Oa 0 to 27 in	muck	moderately rapid	9.51 to 12.22 in	
2A 27 to 35 in	mucky loam	moderately rapid	1.02 to 1.57 in	
2Bg 35 to 39 in	sandy clay loam	moderately rapid	0.51 to 0.79 in	
2Cg 39 to 80 in	gravelly loamy coarse sand	rapid	1.23 to 4.09 in	



Wright County, Minnesota

603--Hanlon fine sandy loam, 0 to 2 percent slopes, occasionally flooded

Hanlon, occasionally flooded

Extent: 80 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): rises on flood plains

Wind erodibility group (WEG): 3

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: alluvium

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2s

Flooding: occasional Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
A1,A2 0 to 40 in	fine sandy loam	moderately rapid	6.43 to 7.23 in	6.1 to 7.3
A3 40 to 63 in	fine sandy loam	moderately rapid	3.65 to 4.11 in	6.1 to 7.3
Bw 63 to 70 in	sandy loam	moderately rapid	0.78 to 0.92 in	5.6 to 7.3
Cg 70 to 80 in	stratified sand to loamy fine sand to fine sandy loam	moderately rapid	1.18 to 1.87 in	5.6 to 7.8

611D--Hawick gravelly sandy loam, 12 to 25 percent slopes

Hawick

Extent: 85 percent of the unit

Landform(s): hills on outwash plains, hills on stream terraces

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Parent material: outwash

Kw factor (surface layer) .15

Land capability, nonirrigated: 7s

Flooding: none

Hydric soil: no

Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,AB	0 to 10 in	gravelly sandy loam	rapid	0.30 to 1.28 in	6.1 to 7.8
C ′	10 to 60 in	gravelly coarse sand	very rapid	1.00 to 3.00 in	7.4 to 8.4



Wright County, Minnesota

708--Rushlake coarse sand, 1 to 4 percent slopes

Rushlake

Extent: 85 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): beaches Wind erodibility group (WEG): 1
Slope gradient: 1 to 4 percent Wind erodibility index (WEI): 180

Parent material: outwash

Kw factor (surface layer) .02

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none

Hydric soil: no

Ponding: none Hydrologic group: A

Drainage class: moderately well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
A 0 to 9 in	coarse sand	rapid	0.36 to 0.63 in	6.1 to 7.8
C 9 to 80 in	coarse sand	rapid	1.42 to 7.09 in	6.5 to 8.4

Wright County, Minnesota

740--Hamel-Glencoe, depressional, complex, 0 to 3 percent slopes

Hamel

Extent: 70 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): drainageways on moraines Wind erodibility group (WEG): 6

Slope gradient: 0 to 3 percent

Wind erodibility index (WEI): 48

Parent material: colluvium over till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: C/D

Drainage class: poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	capacity	рН
Ap,A,AB	0 to 24 in	loam	moderate	4.80 to 5.76 in	5.6 to 7.3
Btg 2	24 to 46 in	clay loam	moderately slow	3.53 to 4.19 in	5.6 to 7.3
Ca 4	6 to 80 in	loam	moderate	5.08 to 6.43 in	7.4 to 8.4

Glencoe, depressional

Extent: 20 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): depressions on moraines Wind erodibility group (WEG): 6

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 48

Parent material: till Kw factor (surface layer) .24

Parent material: till Kw factor (surface layer) .24
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes

Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 10 in	clay loam	moderate	1.77 to 2.17 in	6.1 to 7.8
A,ABg 10 to 35 in	clay loam	moderate	4.54 to 5.54 in	6.1 to 7.8
Bg 35 to 48 in	loam	moderate	1.95 to 2.47 in	6.6 to 7.8
Ca 48 to 60 in	loam	moderate	1.77 to 2.24 in	7.4 to 8.4



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Available water

Wright County, Minnesota

768--Mosford sandy loam, 0 to 2 percent slopes

Mosford

Extent: 85 percent of the unit

Landform(s): stream terraces, outwash plains

Slope gradient: 0 to 2 percent Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .20

Land capability, nonirrigated: 3s

Hydric soil: no Hydrologic group: A

Potential for frost action: low

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 13 in	sandy loam	moderately rapid	1.69 to 2.34 in	5.1 to 7.3
Bw 13 to 16 in	coarse sandy loam	moderately rapid	0.38 to 0.54 in	5.1 to 7.3
2Bw 16 to 35 in	coarse sand	rapid	0.57 to 2.08 in	5.1 to 7.3
2C 35 to 80 in	sand	rapid	0.90 to 3.14 in	5.1 to 7.8

Wright County, Minnesota

771--Elkriver fine sandy loam, 0 to 2 percent slopes, rarely flooded

Elkriver, rarely flooded

Extent: 85 percent of the unit

Landform(s): benches on flood plains

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: alluvium

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2s

Flooding: rare Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	capacity	рН
Ap (0 to 10 in	fine sandy loam	moderately rapid	1.57 to 1.97 in	5.1 to 7.3
A1,A3 10	0 to 35 in	fine sandy loam	moderately rapid	3.78 to 5.04 in	5.1 to 7.3
Bw 35	5 to 39 in	fine sandy loam	moderately rapid	0.59 to 0.75 in	5.6 to 7.8
2C 39	9 to 80 in	sand	rapid	0.82 to 4.09 in	5.6 to 7.8



A collecte contact

Wright County, Minnesota

783C2--Lester-Kilkenny complex, 6 to 12 percent slopes, eroded

Lester, eroded

Extent: 50 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 48

Parent material: till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative s	soil profile:	Texture	Permeability	capacity	рН
Ap 0	to 7 in	loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt 7	to 38 in	clay loam	moderate	4.67 to 5.91 in	5.1 to 7.3
Bk 38	to 60 in	loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C 60	to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Kilkenny, eroded

Extent: 30 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 48

Parent material: glaciofluvial sediments and reworked till over

Kw factor (surface layer) .32

till

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 3e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: C

Drainage class: moderately well drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 9 in	clay loam	moderately slow	1.54 to 1.72 in	5.6 to 7.3
Bt	9 to 53 in	clay loam	moderately slow	6.61 to 8.38 in	5.1 to 7.3
2BC,2C 5	53 to 80 in	loam	moderate	4.02 to 5.09 in	7.4 to 8.4



Wright County, Minnesota

792--Fordum fine sandy loam, 0 to 2 percent slopes, frequently flooded

Fordum, frequently flooded

Extent: 90 percent of the unit

Soil loss tolerance (T factor): 3

Landform(s): alluvial flats on flood plains

Wind erodibility group (WEG): 3

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: alluvium

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 6w

Flooding: frequent

Hydric soil: yes

Ponding: none Hydrologic group: A/D

Drainage class: very poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Α	0 to 7 in	fine sandy loam	moderately rapid	0.78 to 1.28 in	5.1 to 7.3
Cg	7 to 28 in	sandy loam	moderately rapid	2.09 to 4.59 in	5.1 to 7.3
2Cq 2	8 to 80 in	sand	rapid	2.08 to 5.20 in	5.6 to 7.3



Wright County, Minnesota

799--Seelyeville and Bowstring soils, 0 to 1 percent slopes, frequently flooded

Seelyeville, frequently flooded

Extent: 45 percent of the unit

Landform(s): flats on flood plains

Slope gradient: 0 to 1 percent

Parent material: organic material

Restrictive feature(s): greater than 60 inches

Flooding: frequent Ponding: none

Drainage class: very poorly drained

Soil loss tolerance (T factor): 2
Wind erodibility group (WEG): 2
Wind erodibility index (WEI): 134
Kw factor (surface layer) .02
Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Oa1 0 to 12 in	muck	moderately rapid	4.13 to 5.31 in	
Oa2,Oa3 12 to 80 in	muck	moderately rapid	23.84 to 30.65 in	

Bowstring, frequently flooded

Extent: 45 percent of the unit Landform(s): flats on flood plains Slope gradient: 0 to 1 percent

Parent material: organic material and alluvium Restrictive feature(s): greater than 60 inches

Flooding: frequent Ponding: none

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1
Wind erodibility group (WEG): 2

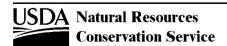
Wind erodibility index (WEI): 134 Kw factor (surface layer) .02 Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Oa1,Oa2	0 to 38 in	muck	moderately rapid	13.23 to 17.01 in	
Cg 3	88 to 47 in	stratified fine sand to fine sandy loam	rapid	0.72 to 1.27 in	
O'a1 4	7 to 80 in	muck	moderately rapid	11.57 to 14.88 in	



Wright County, Minnesota

804B--Koronis-Sunburg-Hawick complex, 2 to 6 percent slopes

Koronis

Extent: 50 percent of the unit Landform(s): hills on moraines Slope gradient: 2 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .20
Land capability, nonirrigated: 2e

Hydric soil: no Hydrologic group: A

Potential for frost action: moderate

A collecte contact

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 8 in	sandy loam	moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt 8 to 25 in	sandy loam	moderately rapid	2.60 to 3.29 in	5.6 to 7.3
Bk 25 to 60 in	sandy loam	moderately rapid	3.81 to 5.54 in	7.4 to 8.4

Sunburg

Extent: 20 percent of the unit Landform(s): hills on moraines Slope gradient: 4 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

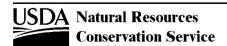
Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .24
Land capability, nonirrigated: 2e

Hydric soil: no Hydrologic group: A

Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Apk 0 to 7 in	sandy loam	moderately rapid	1.13 to 1.28 in	6.6 to 8.4
Bk 7 to 60 in	sandy loam	moderately rapid	5.80 to 8.44 in	7.4 to 8.4



Wright County, Minnesota

804B--Koronis-Sunburg-Hawick complex, 2 to 6 percent slopes

Hawick

Extent: 15 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil profile	: Texture	Permeability	Available water capacity	рН
Ap 0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw 7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C 11 to 80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4



Wright County, Minnesota

804C2--Koronis-Sunburg-Hawick complex, 6 to 12 percent slopes, eroded

Koronis, eroded

Extent: 45 percent of the unit Landform(s): hills on moraines Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .20
Land capability, nonirrigated: 3e

Hydric soil: no Hydrologic group: A

Potential for frost action: moderate

Available water

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 8 in	sandy loam	moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt 8 to 25 in	sandy loam	moderately rapid	2.60 to 3.29 in	5.6 to 7.3
Bk 25 to 60 in	sandy loam	moderately rapid	3.81 to 5.54 in	7.4 to 8.4

Sunburg

Extent: 25 percent of the unit Landform(s): hills on moraines Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .24
Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: A
Potential for frost action: moderate

Available water

Representative soil profile:	I exture	Permeability	capacity	рН
Apk 0 to 7 in	sandy loam	moderately rapid	1.13 to 1.28 in	6.6 to 8.4
Bk 7 to 60 in	sandy loam	moderately rapid	5.80 to 8.44 in	7.4 to 8.4



Wright County, Minnesota

804C2--Koronis-Sunburg-Hawick complex, 6 to 12 percent slopes, eroded

Hawick

Extent: 15 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil p	rofile:	Texture	Permeability	capacity	pН
Ap 0 to 7	' in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw 7 to 1	1 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C 11 to 8	80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4



Wright County, Minnesota

804D2--Koronis-Sunburg-Hawick complex, 12 to 18 percent slopes, eroded

Koronis, eroded

Extent: 40 percent of the unit Landform(s): hills on moraines Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 4e

Hydric soil: no Hydrologic group: A

Potential for frost action: moderate

Available water

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 8 in	sandy loam	moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt 8 to 25 in	sandy loam	moderately rapid	2.60 to 3.29 in	5.6 to 7.3
Bk 25 to 60 in	sandy loam	moderately rapid	3.81 to 5.54 in	7.4 to 8.4

Sunburg

Extent: 30 percent of the unit Landform(s): hills on moraines Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86

Kw factor (surface layer) .24 Land capability, nonirrigated: 4e

Hydric soil: no Hydrologic group: A

Potential for frost action: moderate

Available water

Representative soil profile:	I exture	Permeability	capacity	рН
Apk 0 to 7 in	sandy loam	moderately rapid	1.13 to 1.28 in	6.6 to 8.4
Bk 7 to 60 in	sandy loam	moderately rapid	5.80 to 8.44 in	7.4 to 8.4



Wright County, Minnesota

804D2--Koronis-Sunburg-Hawick complex, 12 to 18 percent slopes, eroded

Hawick

Extent: 15 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 12 to 18 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 6s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative so	oil profile:	Texture	Permeability	Available water capacity	рН
Ap 0	to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw 7	to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C 11	to 80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4



Wright County, Minnesota

804E--Koronis-Sunburg-Hawick complex, 18 to 40 percent slopes

Koronis

Extent: 50 percent of the unit

Landform(s): hills on moraines

Slope gradient: 18 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .24
Land capability, nonirrigated: 7e

Hydric soil: no Hydrologic group: A

Potential for frost action: moderate

A collecte contact

Representative soil profile	: Texture	Permeability	capacity	рН
A 0 to 5 in	fine sandy loam	moderately rapid	1.02 to 1.13 in	5.6 to 7.3
BA,Bt 5 to 21 in	fine sandy loam	moderately rapid	2.36 to 2.99 in	5.6 to 7.3
Bk 21 to 60 in	fine sandy loam	moderately rapid	4.29 to 6.24 in	7.4 to 8.4

Sunburg

Extent: 20 percent of the unit Landform(s): hills on moraines Slope gradient: 18 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .24
Land capability, nonirrigated: 7e

Hydric soil: no Hydrologic group: A

Potential for frost action: moderate

Available water ...

Representative s	soil profile:	I exture	Permeability	capacity	рН
A 0) to 4 in	fine sandy loam	moderately rapid	0.63 to 0.71 in	6.6 to 8.4
Bk 4	to 60 in	fine sandy loam	moderately rapid	6.15 to 8.94 in	7.4 to 8.4



Wright County, Minnesota

804E--Koronis-Sunburg-Hawick complex, 18 to 40 percent slopes

Hawick

Extent: 15 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Slope gradient: 18 to 40 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .10

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 7s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative s	soil profile:	Texture	Permeability	Available water capacity	рН
A1,A2 0	to 11 in	gravelly loamy coarse sand	rapid	0.33 to 1.43 in	6.1 to 7.8
Bw 11	to 16 in	gravelly loamy coarse sand	rapid	0.15 to 0.51 in	6.1 to 7.8
C 16	to 60 in	gravelly coarse sand	very rapid	0.87 to 2.62 in	7.4 to 8.4



Wright County, Minnesota

807D2--Koronis-Sunburg complex, 12 to 18 percent slopes, eroded

Koronis, eroded

Extent: 65 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 4e

Hydric soil: no Hydrologic group: A

Potential for frost action: moderate

Available water

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 8 in	sandy loam	moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt 8 to 25 in	sandy loam	moderately rapid	2.60 to 3.29 in	5.6 to 7.3
Bk 25 to 60 in	sandy loam	moderately rapid	3.81 to 5.54 in	7.4 to 8.4

Sunburg

Extent: 20 percent of the unit Landform(s): hills on moraines Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

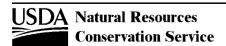
Land capability, nonirrigated: 4e Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

Available water ...

Representative soil prof	île: Texture	Permeability	capacity	рН
Apk 0 to 7 in	sandy loam	moderately rapid	1.13 to 1.28 in	6.6 to 8.4
Bk 7 to 60 in	sandy loam	moderately rapid	5.80 to 8.44 in	7.4 to 8.4



Wright County, Minnesota

875B--Estherville-Hawick complex, 2 to 6 percent slopes

Estherville

Ponding: none

Extent: 60 percent of the unit Soil loss tolerance (T factor): 2

Landform(s): hills on outwash plains, hills on stream terraces Wind erodibility group (WEG): 3

Slope gradient: 2 to 6 percent Wind erodibility index (WEI): 86

Parent material: outwash Kw factor (surface layer) .20
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 3s

Hydrologic group: A

Flooding: none Hydric soil: no

Drainage class: somewhat excessively drained Potential for frost action: low

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 13 in	sandy loam	moderately rapid	1.69 to 2.34 in	5.6 to 7.3
Bw1 13 to 18 in	sandy loam	moderately rapid	0.61 to 0.85 in	5.6 to 7.3
2Bw2 18 to 23 in	loamy coarse sand	rapid	0.10 to 0.20 in	5.6 to 7.3
2C 23 to 60 in	gravelly coarse sand	rapid	0.74 to 1.48 in	6.6 to 8.4

Hawick

Extent: 30 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on outwash plains, hills on stream terraces Wind erodibility group (WEG): 3

Slope gradient: 2 to 6 percent Wind erodibility index (WEI): 86

Parent material: outwash Kw factor (surface layer) .24
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 4s

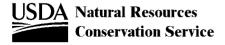
Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw	7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C ′	11 to 80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4



Wright County, Minnesota

875C--Hawick-Estherville complex, 6 to 12 percent slopes

Hawick

Extent: 60 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on outwash plains, hills on stream terraces Wind erodibility group (WEG): 3

Slope gradient: 6 to 12 percent Wind erodibility index (WEI): 86

Parent material: outwash Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representativ	e soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw	7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C	11 to 80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4

Estherville

Extent: 25 percent of the unit Soil loss tolerance (T factor): 2

Landform(s): hills on outwash plains, hills on stream terraces Wind erodibility group (WEG): 3

Slope gradient: 6 to 12 percent Wind erodibility index (WEI): 86

Parent material: outwash Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: somewhat excessively drained Potential for frost action: low

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 13 in	sandy loam	moderately rapid	1.69 to 2.34 in	5.6 to 7.3
Bw1 13 to 18 in	sandy loam	moderately rapid	0.61 to 0.85 in	5.6 to 7.3
2Bw2 18 to 23 in	loamy coarse sand	rapid	0.10 to 0.20 in	5.6 to 7.3
2C 23 to 60 in	gravelly coarse sand	rapid	0.74 to 1.48 in	6.6 to 8.4



Wright County, Minnesota

896B--Kingsley-Gotham complex, 2 to 6 percent slopes

Kingsley

Extent: 70 percent of the unit Landform(s): hills on moraines Slope gradient: 2 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .28
Land capability, nonirrigated: 2e

Hydric soil: no Hydrologic group: C

Potential for frost action: low

Available water

Representative soil profile:	Texture	Permeability	capacity	рН
A 0 to 6 in	sandy loam	moderate	0.59 to 1.06 in	5.6 to 6.5
E 6 to 18 in	sandy loam	moderate	1.22 to 1.83 in	5.6 to 6.5
Bt 18 to 45 in	sandy loam	moderately slow	3.48 to 4.28 in	5.1 to 7.3
C 45 to 80 in	sandy loam	moderately slow	3.85 to 4.91 in	5.6 to 7.8

Gotham

Extent: 25 percent of the unit Landform(s): hills on moraines Slope gradient: 2 to 6 percent

Parent material: glaciofluvial sediments
Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: excessively drained

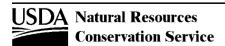
Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 2 Wind erodibility index (WEI): 134 Kw factor (surface layer) .24

Land capability, nonirrigated: 4s

Hydric soil: no Hydrologic group: A

Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
A	0 to 9 in	loamy sand	rapid	0.91 to 1.09 in	5.6 to 7.3
Bt	9 to 18 in	loamy sand	rapid	0.54 to 1.00 in	5.1 to 7.3
Bw,BC 1	8 to 40 in	sand	rapid	1.98 to 2.43 in	5.1 to 7.3
C 4	0 to 80 in	sand	rapid	1.99 to 3.98 in	5.1 to 7.3



Wright County, Minnesota

896C--Kingsley-Gotham complex, 6 to 12 percent slopes

Kingsley

Extent: 70 percent of the unit Landform(s): hills on moraines Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .28
Land capability, nonirrigated: 3e

Hydric soil: no Hydrologic group: C

Potential for frost action: low

Representative soil profile:	Texture	Permeability	capacity	рН
A 0 to 6 in	sandy loam	moderate	0.59 to 1.06 in	5.6 to 6.5
E 6 to 18 in	sandy loam	moderate	1.22 to 1.83 in	5.6 to 6.5
Bt 18 to 45 in	sandy loam	moderately slow	3.48 to 4.28 in	5.1 to 7.3
C 45 to 80 in	sandy loam	moderately slow	3.85 to 4.91 in	5.6 to 7.8

Gotham

Extent: 25 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: glaciofluvial sediments

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: excessively drained

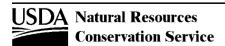
Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 2 Wind erodibility index (WEI): 134

Kw factor (surface layer) .24 Land capability, nonirrigated: 6s

Hydric soil: no Hydrologic group: A

Potential for frost action: low

Representative soil profi	le: Texture	Permeability	Available water capacity	рН
A 0 to 9 in	loamy sand	rapid	0.91 to 1.09 in	5.6 to 7.3
Bt 9 to 18 in	loamy sand	rapid	0.54 to 1.00 in	5.1 to 7.3
Bw,BC 18 to 40 in	sand	rapid	1.98 to 2.43 in	5.1 to 7.3
C 40 to 80 in	sand	rapid	1.99 to 3.98 in	5.1 to 7.3



Wright County, Minnesota

945C2--Lester-Storden complex, 6 to 12 percent slopes, eroded

Lester, eroded

Extent: 50 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .32
Land capability, nonirrigated: 3e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

A collecte contact

Representative soil profile	Texture	Permeability	capacity	pН
Ap 0 to 7 in	loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt 7 to 38 in	clay loam	moderate	4.67 to 5.91 in	5.1 to 7.3
Bk 38 to 60 in	loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C 60 to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Storden, eroded

Extent: 30 percent of the unit Landform(s): hills on moraines Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

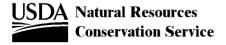
Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 4L
Wind erodibility index (WEI): 86
Kw factor (surface layer) .32
Land capability, nonirrigated: 3e
Hydric soil: no

Potential for frost action: moderate

Hydrologic group: B

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 7 in	loam	moderate	1.42 to 1.56 in	7.4 to 8.4
Bk	7 to 55 in	loam	moderate	7.20 to 9.13 in	7.4 to 8.4
C 5	55 to 80 in	loam	moderate	3.72 to 4.71 in	7.4 to 8.4



Wright County, Minnesota

945D2--Lester-Storden complex, 12 to 18 percent slopes, eroded

Lester, eroded

Extent: 60 percent of the unit Landform(s): hills on moraines Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

Land capability, nonirrigated: 4e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative soil profile	Texture	Permeability	Available water capacity	рН
Ap 0 to 7 in	loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt 7 to 38 in	clay loam	moderate	4.67 to 5.91 in	5.1 to 7.3
Bk 38 to 60 in	loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C 60 to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Storden, eroded

Extent: 20 percent of the unit Landform(s): hills on moraines Wind erodibility index (WEI): 86

Slope gradient: 12 to 18 percent Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

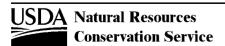
Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L

Kw factor (surface layer) .32 Land capability, nonirrigated: 4e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 7 in	loam	moderate	1.42 to 1.56 in	7.4 to 8.4
Bk	7 to 55 in	loam	moderate	7.20 to 9.13 in	7.4 to 8.4
C	55 to 80 in	loam	moderate	3.72 to 4.71 in	7.4 to 8.4



Wright County, Minnesota

956--Canisteo-Glencoe, depressional, complex, 0 to 2 percent slopes

Canisteo

Extent: 65 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): flats on moraines, rims on depressions on

moraines

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: poorly drained

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86 Kw factor (surface layer) .24 Land capability, nonirrigated: 2w

Hydric soil: yes Hydrologic group: B/D

Potential for frost action: high

Land capability, nonirrigated: 3w

Avoilable water

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 18 in	clay loam	moderate	3.26 to 3.98 in	7.4 to 8.4
Bkg 18 to 39 in	loam	moderate	3.13 to 3.96 in	7.4 to 8.4
Ca 39 to 80 in	loam	moderate	6 14 to 7 78 in	7.4 to 8.4

Glencoe, depressional

Extent: 25 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): depressions on moraines Wind erodibility group (WEG): 6

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 48

Parent material: till Kw factor (surface layer) .24

Flooding: none Hydric soil: yes

Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile	: Texture	Permeability	capacity	рН
Ap 0 to 10 in	clay loam	moderate	1.77 to 2.17 in	6.1 to 7.8
A,ABg 10 to 35 in	clay loam	moderate	4.54 to 5.54 in	6.1 to 7.8
Bg 35 to 48 in	loam	moderate	1.95 to 2.47 in	6.6 to 7.8
Cg 48 to 60 in	loam	moderate	1.77 to 2.24 in	7.4 to 8.4



Wright County, Minnesota

978--Cordova-Rolfe, depressional, complex, 0 to 2 percent slopes

Cordova

Extent: 60 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): drainageways on moraines Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 48

Parent material: till Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: C/D

Drainage class: poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 18 in	clay loam	moderately slow	3.26 to 3.98 in	6.1 to 7.3
Btg 1	8 to 38 in	clay loam	moderately slow	3.01 to 3.81 in	5.1 to 7.3
Cg 3	8 to 80 in	loam	moderate	6.26 to 7.93 in	7.4 to 8.4

Rolfe, depressional

Extent: 30 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): depressions on moraines Wind erodibility group (WEG): 6

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 48

Parent material: glaciolacustrine sediments over till Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: C/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile.	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 12 in	silt loam	moderate	2.60 to 2.83 in	5.1 to 7.3
E 12 to 20 in	silt loam	moderate	1.73 to 1.89 in	5.1 to 6.5
Btg 20 to 35 in	silty clay	slow	1.69 to 2.00 in	5.6 to 7.3
2Bt 35 to 51 in	clay loam	moderate	2.20 to 2.52 in	6.1 to 7.3
2Ca 51 to 60 in	loam	moderate	1 36 to 1 72 in	7.4 to 8.4



Wright County, Minnesota

1000--Arvilla sandy loam, map >25, 0 to 2 percent slopes

Arvilla, MAP>25

Extent: 90 percent of the unit

Landform(s): stream terraces

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 3s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: somewhat excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 14 in	sandy loam	moderately rapid	1.84 to 2.13 in	6.1 to 7.3
Bw 1	4 to 20 in	sandy loam	moderately rapid	0.65 to 0.83 in	6.1 to 7.3
2Bw,2Bk,2C 2	0 to 80 in	gravelly coarse sand	rapid	1.20 to 2.99 in	7.4 to 8.4

1015--Udipsamments (cut and fill land)

Udipsamments, (cut and fill land)

Extent: 100 percent of the unit Soil loss tolerance (T factor):

Landform(s): stream terraces, outwash plains Wind erodibility group (WEG):

Slope gradient: 0 to 2 percent

Parent material: variable sandy material Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated:

Flooding: none Hydric soil:

Ponding: none Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH



Wind erodibility index (WEI):

Wright County, Minnesota

1016--Udorthents, loamy (cut and fill land)

Udorthents, loamy (cut and fill land)

Extent: 100 percent of the unit

Landform(s): moraines

Slope gradient: 0 to 6 percent

Parent material: variable loamy material

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil:

Hydrologic group:

Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

рН

Wright County, Minnesota

1023C--Lester-Malardi complex, 6 to 12 percent slopes, eroded

Lester, eroded

Extent: 50 percent of the unit Landform(s): hills on moraines Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

Land capability, nonirrigated: 3e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative soil profile	e: Te	xture	Permeability	Available water capacity	рН
Ap 0 to 7 in	loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt 7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk 38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C 60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Malardi

Extent: 35 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 4e

Flooding: none Hydric soil: no Hydrologic group: A

Drainage class: somewhat excessively drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 10 in	sandy loam	moderately rapid	1.28 to 1.48 in	5.6 to 7.3
Bt 10 to 15 in	sandy loam	moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2Bt 15 to 29 in	loamy coarse sand	rapid	0.85 to 1.42 in	5.6 to 7.3
2C 29 to 80 in	gravelly sand	rapid	1.02 to 2.03 in	7.0 to 8.4



Wright County, Minnesota

1023D--Lester-Malardi complex, 12 to 18 percent slopes, eroded

Lester, eroded

Extent: 45 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6 Wind erodibility index (WEI): 48

Kw factor (surface layer) .32

Land capability, nonirrigated: 4e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

A collecte contact

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 7 in	loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt 7 to 38 in	clay loam	moderate	4.67 to 5.91 in	5.1 to 7.3
Bk 38 to 60 in	loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C 60 to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Malardi

Extent: 40 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Slope gradient: 12 to 18 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 6e

Flooding: none

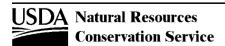
Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: somewhat excessively drained Potential for frost action: moderate

Representative soil profi	ile: Texture	Permeability	Available water capacity	рН
Ap 0 to 9 in	sandy loam	moderately rapid	1.18 to 1.36 in	5.6 to 7.3
Bt 9 to 14 in	sandy loam	moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2Bt 14 to 21 in	gravelly loamy coarse sand	rapid	0.40 to 0.67 in	5.6 to 7.3
2C 21 to 80 in	gravelly sand	rapid	1.18 to 2.36 in	7.0 to 8.4



Wright County, Minnesota

1026B--Lizzie silt loam, moderately wet, 1 to 5 percent slopes

Lizzie, moderately wet

Extent: 90 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 1 to 5 percent

Wind erodibility index (WEI): 48

Parent material: glaciolacustrine sediments

Kw factor (surface layer) .37

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	capacity	рН
Ap,E	0 to 12 in	silt loam	moderate	2.36 to 2.83 in	6.1 to 7.3
Bt '	12 to 36 in	silt loam	moderate	3.60 to 5.28 in	6.1 to 7.3
BC 3	36 to 40 in	very fine sandy loam	moderate	0.65 to 0.95 in	6.6 to 7.4
C 4	40 to 80 in	very fine sandy loam	moderately rapid	3.18 to 8.75 in	7.4 to 8.4

1027--Udorthents, wet substratum (fill land)

Udorthents, wet substratum (fill land)

Extent: 100 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines, outwash plains, stream terraces Wind erodibility group (WEG):

Slope gradient: 0 to 2 percent Wind erodibility index (WEI):

Parent material: variable soil material

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: none Hydric soil:

Ponding: none Hydrologic group:

Drainage class: Potential for frost action:

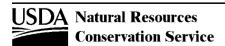
Representative soil profile:

Texture

Permeability

Available water capacity

PH



Wright County, Minnesota

1030--Pits, gravel-Udipsamments complex

Pits, gravel

Extent: 80 percent of the unit Soil loss tolerance (T factor):

Landform(s): outwash plains, stream terraces, moraines Wind erodibility group (WEG):

Slope gradient: 0 to 50 percent Wind erodibility index (WEI):

Parent material: sandy and gravelly outwash

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil:
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

PH

Udipsamments

Extent: 20 percent of the unit Soil loss tolerance (T factor):

Landform(s): outwash plains, stream terraces, moraines Wind erodibility group (WEG):

Slope gradient: 0 to 25 percent Wind erodibility index (WEI):

Parent material: outwash Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil:
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

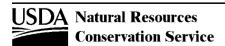
Representative soil profile:

Texture

Permeability

Available water capacity

PH



Wright County, Minnesota

1035B--Crowfork loamy sand, 1 to 6 percent slopes

Crowfork

Extent:90 percent of the unitSoil loss tolerance (T factor):5Landform(s):hills on stream terracesWind erodibility group (WEG):2Slope gradient:1 to 6 percentWind erodibility index (WEI):134

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative so	il profile:	Texture	Permeability	capacity	рН
Ap 0 to	o 11 in	loamy sand	rapid	1.10 to 1.32 in	5.6 to 7.3
E 11 to	o 20 in	loamy fine sand	rapid	0.54 to 1.00 in	5.1 to 6.5
E&Bt 20 to	o 76 in	loamy sand	rapid	3.35 to 6.15 in	5.6 to 7.3
C 76 to	o 80 in	sand	rapid	0.08 to 0.28 in	6.1 to 7.8



Wright County, Minnesota

1035C--Crowfork loamy sand, 6 to 12 percent slopes

Crowfork

Extent: 90 percent of the unit

Landform(s): hills on stream terraces

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 11 in	loamy sand	rapid	1.10 to 1.32 in	5.6 to 7.3
E	11 to 20 in	loamy fine sand	rapid	0.54 to 1.00 in	5.1 to 6.5
E&Bt 2	20 to 76 in	loamy sand	rapid	3.35 to 6.15 in	5.6 to 7.3
C 7	76 to 80 in	sand	rapid	0.08 to 0.28 in	6.1 to 7.8

Wright County, Minnesota

1035D--Crowfork loamy sand, 12 to 18 percent slopes

Crowfork

Extent: 85 percent of the unit

Landform(s): hills on stream terraces

Wind erodibility group (WEG): 2

Slope gradient: 12 to 18 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 6s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative s	oil profile:	Texture	Permeability	capacity	рН
Ap 0	to 11 in	loamy sand	rapid	1.10 to 1.32 in	5.6 to 7.3
E 11	to 20 in	loamy fine sand	rapid	0.54 to 1.00 in	5.1 to 6.5
E&Bt 20	to 76 in	loamy sand	rapid	3.35 to 6.15 in	5.6 to 7.3
C 76	to 80 in	sand	rapid	0.08 to 0.28 in	6.1 to 7.8



Wright County, Minnesota

1036B--Angus fine sandy loam, 2 to 5 percent slopes

Angus

Extent: 85 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 2 to 5 percent

Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative s	soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0	to 9 in	fine sandy loam	moderately rapid	1.09 to 1.36 in	5.6 to 7.3
Bt 9	to 46 in	loam	moderate	5.55 to 7.03 in	5.1 to 7.3
Bk 46	to 58 in	loam	moderate	1.65 to 2.24 in	6.1 to 7.8
C 58	to 80 in	loam	moderate	3.31 to 4.19 in	7.4 to 8.4

Wright County, Minnesota

1037--Eckvoll loamy fine sand, map >25, 0 to 3 percent slopes

Eckvoll, MAP>25

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): moraines Wind erodibility group (WEG): 2
Slope gradient: 0 to 3 percent Wind erodibility index (WEI): 134

Parent material: outwash over till

Kw factor (surface layer) .20

Land capability popiriseted: 22

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 3s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B/D

Drainage class: moderately well drained Potential for frost action: high

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 9 in	loamy fine sand	rapid	0.91 to 1.09 in	6.1 to 7.3
E	9 to 24 in	fine sand	rapid	0.90 to 1.20 in	6.1 to 7.3
2Bt	24 to 45 in	loam	moderate	3.34 to 3.76 in	6.1 to 7.3
2C	45 to 80 in	loam	moderate	5.96 to 6.66 in	7.4 to 8.4

Wright County, Minnesota

1038A--Verndale sandy loam, acid substratum, 0 to 2 percent slopes

Verndale, acid substratum

Extent: 90 percent of the unit Soil loss tolerance (T factor): 2

Landform(s): stream terraces, outwash plains Wind erodibility group (WEG): 3

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: somewhat excessively drained Potential for frost action: moderate

Representative s	oil profile:		Texture	Permeability	Available water capacity	рН
Ap 0	to 10 in	sandy loam		moderately rapid	1.28 to 1.67 in	5.1 to 7.3
Bt 10	to 19 in	sandy loam		moderate	1.27 to 1.63 in	5.1 to 7.3
2Bw 19	to 28 in	sand		rapid	0.54 to 0.72 in	5.1 to 7.3
2C 28	to 80 in	sand		rapid	1.04 to 3.12 in	5.1 to 7.3

Wright County, Minnesota

1038B--Verndale sandy loam, acid substratum, 2 to 6 percent slopes

Verndale, acid substratum

Extent: 85 percent of the unit Soil loss tolerance (T factor): 2

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 3

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3s

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated.

Flooding: none

Hydric soil: no

Ponding: none Hydrologic group: B

Drainage class: somewhat excessively drained Potential for frost action: moderate

Representative s	soil profile:	Texture	Permeability	capacity	pН
Ap 0	to 10 in	sandy loam	moderately rapid	1.28 to 1.67 in	5.1 to 7.3
Bt 10	to 19 in	sandy loam	moderate	1.27 to 1.63 in	5.1 to 7.3
2Bw 19	to 28 in	sand	rapid	0.54 to 0.72 in	5.1 to 7.3
2C 28	to 80 in	sand	rapid	1.04 to 3.12 in	5.1 to 7.3

Wright County, Minnesota

1066B--Malardi-Hawick complex, 1 to 6 percent slopes

Malardi

Extent: 65 percent of the unit

Soil loss tolerance (T factor): 2

Landform(s): hills on stream terraces, hills on outwash plains

Wind erodibility group (WEG): 3

Slope gradient: 1 to 6 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: somewhat excessively drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	capacity	рН
Ap () to 10 in	sandy loam	moderately rapid	1.28 to 1.48 in	5.6 to 7.3
Bt 10) to 15 in	sandy loam	moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2Bt 15	5 to 29 in	loamy coarse sand	rapid	0.85 to 1.42 in	5.6 to 7.3
2C 29	to 80 in	gravelly sand	rapid	1.02 to 2.03 in	7.0 to 8.4

Hawick

Extent: 25 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 3

Slope gradient: 3 to 6 percent Wind erodibility index (WEI): 86

Parent material: outwash Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 4s

Flooding: none

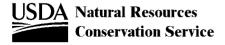
Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw	7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C '	11 to 80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4



Wright County, Minnesota

1066C--Malardi-Hawick complex, 6 to 12 percent slopes

Malardi

Extent: 60 percent of the unit

Soil loss tolerance (T factor): 2

Landform(s): hills on stream terraces, hills on outwash plains

Wind erodibility group (WEG): 3

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 86

Slope gradient: 6 to 12 percent Wind erodibility index (WEI): 86

Parent material: outwash Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: somewhat excessively drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	capacity	рН
Ap () to 10 in	sandy loam	moderately rapid	1.28 to 1.48 in	5.6 to 7.3
Bt 10) to 15 in	sandy loam	moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2Bt 15	5 to 29 in	loamy coarse sand	rapid	0.85 to 1.42 in	5.6 to 7.3
2C 29	to 80 in	gravelly sand	rapid	1.02 to 2.03 in	7.0 to 8.4

Hawick

Extent: 25 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 3

Slope gradient: 6 to 12 percent Wind erodibility index (WEI): 86

Parent material: outwash Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

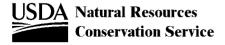
Flooding: none

Hydric soil: no

Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw	7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C ′	11 to 80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4



Wright County, Minnesota

1066E--Malardi-Hawick complex, 18 to 35 percent slopes

Malardi

Extent: 55 percent of the unit Soil loss tolerance (T factor): 2

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 3

Slope gradient: 18 to 35 percent Wind erodibility index (WEI): 86

Parent material: outwash Kw factor (surface layer) .20
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 7e

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: somewhat excessively drained Potential for frost action: moderate

Representative soil profile	e: Texture	Permeability	Available water capacity	рН
A 0 to 9 in	sandy loam	moderately rapid	1.18 to 1.36 in	5.6 to 7.3
Bt 9 to 14 in	sandy loam	moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2Bt 14 to 21 in	gravelly loamy coarse sand	rapid	0.40 to 0.67 in	5.6 to 7.3
2C 21 to 80 in	gravelly sand	rapid	1.18 to 2.36 in	7.0 to 8.4

Hawick

Extent: 30 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 3

Slope gradient: 18 to 35 percent Wind erodibility index (WEI): 86

Parent material: outwash Kw factor (surface layer) .24

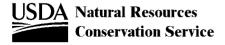
Flooding: none Hydric soil: no

Ponding: none Hydrologic group: A

Restrictive feature(s): greater than 60 inches

Drainage class: excessively drained Potential for frost action: low

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
A	0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw	7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C '	11 to 80 in	gravelly coarse sand	very rapid	1.38 to 4.13 in	7.4 to 8.4



Land capability, nonirrigated: 7e

Wright County, Minnesota

1072--Udorthents, shallow (sanitary landfill)

Udorthents, shallow (sanitary landfill)

Extent: 100 percent of the unit

Landform(s): moraines, outwash plains

Slope gradient: 0 to 20 percent

Parent material: variable loamy material

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil:

Hydrologic group:

Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

рН

Wright County, Minnesota

1075--Klossner and Muskego soils, ponded, 0 to 1 percent slopes

Klossner, ponded

Extent: 40 percent of the unit Landform(s): marshes on moraines Slope gradient: 0 to 1 percent

Parent material: organic material over till Restrictive feature(s): greater than 60 inches

Flooding: none **Ponding:** frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1 Wind erodibility group (WEG): 8 Wind erodibility index (WEI): 0 Kw factor (surface layer) .02 Land capability, nonirrigated: 8w

Hydric soil: yes Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Oa 0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 26 to 33 in	silt loam	moderate	1.56 to 1.84 in	
2A2 33 to 40 in	loam	moderate	1.28 to 1.56 in	
2Cg 40 to 80 in	loam	moderate	5.96 to 7.56 in	

Muskego, ponded

Extent: 40 percent of the unit Soil loss tolerance (T factor): 1 Landform(s): marshes on moraines Slope gradient: 0 to 1 percent

Parent material: organic material over coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: none **Ponding:** frequent

Drainage class: very poorly drained

Wind erodibility group (WEG): 8 Wind erodibility index (WEI): 0 Kw factor (surface layer) .02 Land capability, nonirrigated: 8w

Hydric soil: yes Hydrologic group: C/D

Potential for frost action: high

Representative soi	I profile:	Texture	Permeability	Available water capacity	рН
Oa1 0 to	9 in mu	iuck	moderately rapid	3.17 to 4.07 in	
Oa2 9 to	36 in mu	uck	moderately rapid	9.37 to 12.05 in	
Lco 36 to	60 in co	oprogenous earth	slow	4.32 to 5.76 in	



Wright County, Minnesota

1080--Klossner, Okoboji, and Glencoe soils, ponded, 0 to 1 percent slopes

Klossner, ponded

Extent: 30 percent of the unit

Landform(s): marshes on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over till Restrictive feature(s): greater than 60 inches

Flooding: none
Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1
Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0
Kw factor (surface layer) .02

Land capability, nonirrigated: 8w Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Oa 0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 26 to 33 in	silt loam	moderate	1.56 to 1.84 in	
2A2 33 to 40 in	loam	moderate	1.28 to 1.56 in	
2Ca 40 to 80 in	loam	moderate	5 96 to 7 56 in	

Okoboji, ponded

Extent: 30 percent of the unit

Landform(s): marshes on moraines

Slope gradient: 0 to 1 percent

Parent material: alluvium or lacustrine sediments over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 8 Wind erodibility index (WEI): 0 Kw factor (surface layer) .28 Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

Representative so	oil profile:	Texture	Permeability	Available water capacity	рН
A1 0	to 10 in	mucky silty clay loam	moderate	2.17 to 2.46 in	6.1 to 7.8
A2 10	to 52 in	silty clay loam	moderately slow	7.58 to 8.43 in	6.6 to 7.8
Bg 52	to 60 in	silty clay loam	moderately slow	1.42 to 1.57 in	6.6 to 7.8



Wright County, Minnesota

1080--Klossner, Okoboji, and Glencoe soils, ponded, 0 to 1 percent slopes

Glencoe, ponded

Extent: 30 percent of the unit

Landform(s): marshes on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 8

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 0

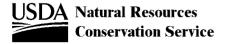
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 8w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile	: Texture	Permeability	Available water capacity	рН
A 0 to 42 in	silty clay loam	moderate	7.58 to 9.27 in	6.1 to 7.8
Bg 42 to 50 in	clay loam	moderate	1.18 to 1.50 in	6.6 to 7.8
Cg 50 to 60 in	loam	moderate	1.48 to 1.87 in	7.4 to 8.4



Wright County, Minnesota

1087B--Angus-Malardi complex, 2 to 6 percent slopes

Angus

Extent: 55 percent of the unit Landform(s): hills on moraines Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .28
Land capability, nonirrigated: 2e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative s	oil profile:	Texture	Permeability	capacity	pН
Ap 0	to 8 in	loam	moderate	1.57 to 1.73 in	5.6 to 7.3
Bt 8	to 35 in	clay loam	moderate	4.07 to 5.16 in	5.1 to 7.3
BC 35	to 40 in	clay loam	moderate	0.72 to 0.97 in	6.1 to 7.8
C 40	to 80 in	loam	moderate	5.96 to 7.56 in	7.4 to 8.4

Malardi

Extent: 30 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3s

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: somewhat excessively drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 10 in	sandy loam	moderately rapid	1.28 to 1.48 in	5.6 to 7.3
Bt 10 to 15 in	sandy loam	moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2Bt 15 to 29 in	loamy coarse sand	rapid	0.85 to 1.42 in	5.6 to 7.3
2C 29 to 80 in	gravelly sand	rapid	1.02 to 2.03 in	7.0 to 8.4



Wright County, Minnesota

1094B--Angus-Cordova complex, 0 to 5 percent slopes

Angus

Extent: 60 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .28
Land capability, nonirrigated: 2e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

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Representative s	oil profile:	Texture	Permeability	capacity	pН
Ap 0	to 8 in	loam	moderate	1.57 to 1.73 in	5.6 to 7.3
Bt 8	to 35 in	clay loam	moderate	4.07 to 5.16 in	5.1 to 7.3
BC 35	to 40 in	clay loam	moderate	0.72 to 0.97 in	6.1 to 7.8
C 40	to 80 in	loam	moderate	5.96 to 7.56 in	7.4 to 8.4

Cordova

Extent: 30 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): drainageways on moraines

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 48

Parent material: till Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: C/D

Drainage class: poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,AB	0 to 13 in	loam	moderate	2.34 to 2.86 in	6.1 to 7.3
Btg '	13 to 33 in	clay loam	moderately slow	3.01 to 3.81 in	5.1 to 6.5
Cg 3	33 to 80 in	loam	moderate	7.03 to 8.90 in	7.4 to 8.4



Wright County, Minnesota

1099--Granby loamy fine sand, very wet, 0 to 1 percent slopes

Granby, very wet

Extent: 85 percent of the unit

Landform(s): beaches on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .05

Restrictive feature(s): greater than 60 inches

Land capability, popirrigated: 5w

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 5w
Flooding: none

Hydric soil: yes

Ponding: frequent Hydrologic group: A/D

Drainage class: very poorly drained Potential for frost action: high

Representative s	oil profile:	Texture	Permeability	Available water capacity	рН
A 0	to 12 in	loamy fine sand	rapid	1.18 to 1.42 in	5.6 to 7.3
AC 12	to 24 in	loamy fine sand	rapid	0.61 to 1.46 in	5.6 to 7.8
C 24	to 60 in	loamy fine sand	rapid	1.79 to 3.22 in	6.6 to 8.4

1110--Isan sandy loam, 0 to 2 percent slopes

Restrictive feature(s): greater than 60 inches

Isan

Extent: 90 percent of the unit Soil loss tolerance (T factor): 2

Landform(s): drainageways on stream terraces, beaches on Wind erodibility group (WEG): 3

stream terraces, drainageways on outwash

plains, beaches on outwash plains

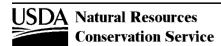
Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 86
Parent material: outwash Kw factor (surface layer) .20

Flooding: none Hydric soil: yes

Ponding: none Hydrologic group: A/D

Drainage class: poorly drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 18 in	sandy loam	moderately rapid	1.81 to 2.72 in	5.6 to 7.3
AB,Bg 1	8 to 29 in	loamy sand	rapid	0.66 to 1.10 in	5.1 to 6.5
Cg 2	9 to 80 in	coarse sand	rapid	2.03 to 3.05 in	5.6 to 7.3



This report shows only the major soils in each map unit

Land capability, nonirrigated: 3w

Wright County, Minnesota

1156--Cordova loam, 0 to 2 percent slopes

Cordova

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): drainageways on moraines

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 48

Parent material: till Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: C/D

Drainage class: poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,AB	0 to 13 in	loam	moderate	2.34 to 2.86 in	6.1 to 7.3
Btg 1	3 to 33 in	clay loam	moderately slow	3.01 to 3.81 in	5.1 to 6.5
Ca 3	3 to 80 in	loam	moderate	7.03 to 8.90 in	7.4 to 8.4

1163--Suckercreek loam, 0 to 2 percent slopes, frequently flooded

Suckercreek, frequently flooded

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): alluvial flats on flood plainsWind erodibility group (WEG): 4LSlope gradient: 0 to 2 percentWind erodibility index (WEI): 86Parent material: alluviumKw factor (surface layer) .28

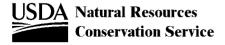
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 5w

Flooding: frequent Hydric soil: yes

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
A 0 to 22 in	loam	moderately rapid	3.97 to 5.29 in	7.4 to 8.4
Cg 22 to 80 in	loamy fine sand	moderately rapid	4.63 to 11.57 in	7.4 to 8.4



Ponding: none

Hydrologic group: A/D

Wright County, Minnesota

1165--Lundlake silty clay loam, depressional, 0 to 1 percent slopes

Lundlake, depressional

Extent: 90 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): depressions on moraines Wind erodibility group (WEG): 6

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 48

Parent material: colluvium over till

Restrictive feature(s): greater than 60 inches

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 12 in	silty clay loam	moderate	2.01 to 2.60 in	6.6 to 7.3
A1,A2,AB ′	12 to 36 in	loam	moderate	4.08 to 5.28 in	6.6 to 7.3
2Bg 3	36 to 72 in	sandy loam	moderate	5.43 to 6.88 in	6.6 to 7.8
2Cg 7	72 to 80 in	sandy loam	moderately rapid	0.79 to 1.18 in	7.4 to 7.8



Wright County, Minnesota

1173--Muskego and Klossner soils, 0 to 1 percent slopes, frequently flooded

Muskego, frequently flooded

Extent: 45 percent of the unit

Landform(s): flats on flood plains

Slope gradient: 0 to 1 percent

Parent material: organic material over coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: frequent Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1 Wind erodibility group (WEG): 2 Wind erodibility index (WEI): 134 Kw factor (surface layer) .02 Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Oa1 0 to 9 in	muck	moderately rapid	3.17 to 4.07 in	
Oa2 9 to 36 in	muck	moderately rapid	9.37 to 12.05 in	
Lco 36 to 60 in	coprogenous earth	slow	4.32 to 5.76 in	

Klossner, frequently flooded

Extent: 45 percent of the unit Landform(s): flats on flood plains Slope gradient: 0 to 1 percent

Parent material: organic material over till Restrictive feature(s): greater than 60 inches

Flooding: frequent Ponding: frequent

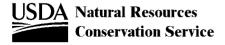
Drainage class: very poorly drained

Soil loss tolerance (T factor): 1
Wind erodibility group (WEG): 2
Wind erodibility index (WEI): 134
Kw factor (surface layer) .02
Land capability, nonirrigated: 6w

Hydric soil: yes Hydrologic group: B/D

Potential for frost action: high

Representative s	soil profile:	Texture	Permeability	Available water capacity	рН
Oa 0	to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 26	to 33 in	silt loam	moderate	1.56 to 1.84 in	
2A2 33	to 40 in	loam	moderate	1.28 to 1.56 in	
2Cg 40	to 80 in	loam	moderate	5.96 to 7.56 in	



Wright County, Minnesota

1186--Forestcity-Lundlake, depressional, complex, 0 to 3 percent slopes

Forestcity

Extent: 75 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): drainageways on moraines Wind erodibility group (WEG): 3

Slope gradient: 0 to 3 percent Wind erodibility index (WEI): 86

Parent material: colluvium over till Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: none Hydric soil: yes

Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Ap,A1 0 to 22 in	fine sandy loam	moderately rapid	3.09 to 3.53 in	6.1 to 7.3
A2,AB 22 to 43 in	loam	moderate	2.92 to 3.55 in	6.1 to 7.3
2Btg 43 to 60 in	sandy clay loam	moderately rapid	1.86 to 2.88 in	5.6 to 7.3
2BCa 60 to 80 in	sandy loam	moderately rapid	2.01 to 3.01 in	7.4 to 7.8

Lundlake, depressional

Extent: 20 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): depressions on moraines Wind erodibility group (WEG): 6

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 48

Parent material: colluvium over till Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A1 0 to 20 in	loam	moderate	3.41 to 4.42 in	6.6 to 7.3
A2,A3,AB 20 to 46 in	loam	moderate	4.42 to 5.72 in	6.6 to 7.3
Bg 46 to 54 in	sandy loam	moderate	1.18 to 1.50 in	6.6 to 7.8
Cg 54 to 60 in	sandy loam	moderately rapid	0.59 to 0.89 in	7.4 to 7.8



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Wright County, Minnesota

1196B--Lida-Two Inlets complex, 1 to 8 percent slopes

Lida

Extent: 60 percent of the unit

Landform(s): hills on outwash plains, hills on moraines

Slope gradient: 1 to 8 percent Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 3s

Hydric soil: no Hydrologic group: A

Potential for frost action: low

Representative soil	profile:	Texture	Permeability	Available water capacity	рН
A 0 to	6 in	sandy loam	moderately rapid	0.77 to 1.06 in	5.6 to 7.3
E 6 to	8 in	sandy loam	rapid	0.16 to 0.26 in	5.6 to 7.3
Bt 8 to	17 in	coarse sandy loam	moderately rapid	0.72 to 1.54 in	5.6 to 7.3
2Bt 17 to	25 in	gravelly loamy coarse sand	rapid	0.17 to 0.83 in	5.6 to 7.3
2C 25 to	80 in	gravelly coarse sand	very rapid	0.55 to 3.83 in	7.4 to 8.4

Two Inlets

Extent: 30 percent of the unit

Landform(s): hills on outwash plains, hills on moraines

Slope gradient: 1 to 8 percent Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

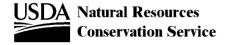
Wind erodibility index (WEI): 134 Kw factor (surface layer) .15

Land capability, nonirrigated: 4s

Hydric soil: no Hydrologic group: A

Potential for frost action: low

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Α	0 to 9 in	loamy sand	rapid	0.91 to 1.09 in	5.6 to 7.3
Bt	9 to 19 in	gravelly loamy sand	rapid	0.89 to 1.08 in	6.1 to 7.3
C	19 to 80 in	gravelly sand	very rapid	1.22 to 2.44 in	7.4 to 8.4



Wright County, Minnesota

1196C--Lida-Two Inlets complex, 8 to 15 percent slopes

Lida

Extent: 55 percent of the unit

Landform(s): hills on outwash plains, hills on moraines

Slope gradient: 8 to 15 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

Representative soil profile:	Texture	Permeability	capacity	рН
A 0 to 6 in	sandy loam	moderately rapid	0.77 to 1.06 in	5.6 to 7.3
E 6 to 8 in	sandy loam	rapid	0.16 to 0.26 in	5.6 to 7.3
Bt 8 to 17 in	coarse sandy loam	moderately rapid	0.72 to 1.54 in	5.6 to 7.3
2Bt 17 to 25 in	gravelly loamy coarse sand	rapid	0.17 to 0.83 in	5.6 to 7.3
2C 25 to 80 in	gravelly coarse sand	very rapid	0.55 to 3.83 in	7.4 to 8.4

Two Inlets

Extent: 30 percent of the unit

Landform(s): hills on outwash plains, hills on moraines

Slope gradient: 8 to 15 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .15

W laster (sarrass layer)

Available water

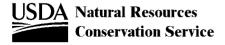
Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

Representative soil profile:	Texture	Permeability	capacity	рН
A 0 to 9 in	loamy sand	rapid	0.91 to 1.09 in	5.6 to 7.3
Bt 9 to 19 in	gravelly loamy sand	rapid	0.89 to 1.08 in	6.1 to 7.3
C 19 to 80 in	gravelly sand	very rapid	1.22 to 2.44 in	7.4 to 8.4



Wright County, Minnesota

1196E--Lida-Two Inlets complex, 15 to 30 percent slopes

Lida

Extent: 50 percent of the unit

Landform(s): hills on outwash plains, hills on moraines

Slope gradient: 15 to 30 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 2
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .20
Land capability, nonirrigated: 7e

Hydric soil: no Hydrologic group: A

Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
A	0 to 6 in	sandy loam	moderately rapid	0.77 to 1.06 in	5.6 to 7.3
E	6 to 8 in	sandy loam	rapid	0.16 to 0.26 in	5.6 to 7.3
Bt	8 to 17 in	coarse sandy loam	moderately rapid	0.72 to 1.54 in	5.6 to 7.3
2Bt 1	7 to 25 in	gravelly loamy coarse sand	rapid	0.17 to 0.83 in	5.6 to 7.3
2C 2	5 to 80 in	gravelly coarse sand	very rapid	0.55 to 3.83 in	7.4 to 8.4

Two Inlets

Extent: 40 percent of the unit

Landform(s): hills on outwash plains, hills on moraines

Slope gradient: 15 to 30 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2 Wind erodibility index (WEI): 134

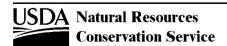
Kw factor (surface layer) .15

Land capability, nonirrigated: 7s

Hydrologic group: A

Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Α	0 to 8 in	loamy sand	rapid	0.79 to 0.94 in	5.6 to 7.3
BE,Bt	8 to 20 in	loamy sand	rapid	1.10 to 1.34 in	6.1 to 7.3
BC,C 2	20 to 80 in	gravelly sand	very rapid	1.20 to 2.39 in	7.4 to 8.4



Wright County, Minnesota

1197--Suckercreek fine sandy loam, 0 to 2 percent slopes, occasionally flooded

Suckercreek, occasionally flooded

Extent: 80 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): alluvial flats on flood plains

Wind erodibility group (WEG): 3

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: alluvium

Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4w

Flooding: occasional

Hydric soil: yes

Ponding: none Hydrologic group: A/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
A 0 to 12 in	fine sandy loam	moderately rapid	2.13 to 2.83 in	7.4 to 8.4
Ca 12 to 80 in	fine sandy loam	moderately rapid	5.45 to 13.62 in	7.4 to 8.4



Wright County, Minnesota

1199--Klossner and Lundlake soils, ponded, 0 to 1 percent slopes

Lundlake, ponded

Extent: 45 percent of the unit Soil loss tolerance (T factor): 5 Landform(s): marshes on moraines Wind erodibility group (WEG): 8 Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 0 Parent material: colluvium over till Kw factor (surface layer) .28 Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 8w

Flooding: none **Ponding:** frequent

Drainage class: very poorly drained

Representativ	ve soil profile:	Texture	Permeability	Available water capacity	рН
A1	0 to 8 in	mucky loam	moderate	1.34 to 1.73 in	6.6 to 7.3
A2	8 to 26 in	loam	moderate	3.08 to 3.98 in	6.6 to 7.3
A3,A4,Bkg	26 to 80 in	sandy loam	moderately rapid	5.39 to 8.09 in	7.4 to 7.8

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Available water

Klossner, ponded

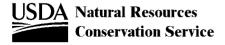
Extent: 45 percent of the unit Soil loss tolerance (T factor): 1 Landform(s): marshes on moraines Wind erodibility group (WEG): 8 Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 0 Parent material: organic material over till Kw factor (surface layer) .02

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 8w

Flooding: none Hydric soil: yes **Ponding:** frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Oa 0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 26 to 33 in	silt loam	moderate	1.56 to 1.84 in	
2A2 33 to 40 in	loam	moderate	1.28 to 1.56 in	
2Cg 40 to 80 in	loam	moderate	5.96 to 7.56 in	



Wright County, Minnesota

1203--Muskego, Blue Earth, and Houghton soils, ponded, 0 to 1 percent slopes

Muskego, ponded

Extent: 30 percent of the unit Landform(s): marshes on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: none **Ponding:** frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1 Wind erodibility group (WEG): 8 Wind erodibility index (WEI): 0 Kw factor (surface layer) .02 Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Oa1 0 to 9 in	muck	moderately rapid	3.17 to 4.07 in	
Oa2 9 to 36 in	muck	moderately rapid	9.37 to 12.05 in	
Lco 36 to 60 in	conrogenous earth	slow	4 32 to 5 76 in	

Blue Earth, ponded

Extent: 30 percent of the unit Landform(s): marshes on moraines Slope gradient: 0 to 1 percent

Parent material: coprogenous earth over till Restrictive feature(s): greater than 60 inches

Flooding: none **Ponding:** frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 8 Wind erodibility index (WEI): 0 Kw factor (surface layer) .37 Land capability, nonirrigated: 8w Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
A 0 to 50 in	mucky silt loam	moderate	9.00 to 12.00 in	7.4 to 8.4
Cg 50 to 60 in	mucky silt loam	moderate	1.77 to 2.36 in	7.4 to 8.4



Wright County, Minnesota

1203--Muskego, Blue Earth, and Houghton soils, ponded, 0 to 1 percent slopes

Houghton, ponded

Extent: 30 percent of the unit

Landform(s): marshes on moraines

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 8

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 0

Parent material: organic material

Kw factor (surface layer) .02

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 8w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: A/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:

Texture

Permeability

Available water capacity

PH

Oa -- 0 to 80 in muck moderately rapid 27.97 to 35.96 in

1204B--Reedslake loam, 2 to 5 percent slopes

Reedslake

Extent: 85 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 2 to 5 percent

Wind erodibility index (WEI): 48

Parent material: till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 12 in	loam	moderate	2.36 to 2.60 in	5.6 to 7.3
Bt 12 to 26 in	clay loam	moderate	2.13 to 2.69 in	5.6 to 7.3
Bk 26 to 48 in	loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C 48 to 80 in	loam	moderate	4.84 to 6.13 in	7.4 to 8.4



Wright County, Minnesota

1207B--Reedslake-Le Sueur complex, 1 to 5 percent slopes

Reedslake

Extent: 60 percent of the unit Landform(s): hills on moraines Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .28
Land capability, nonirrigated: 2e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative soil pr	ofile:	Texture	Permeability	capacity	рН
Ap 0 to 12	? in loam		moderate	2.36 to 2.60 in	5.6 to 7.3
Bt 12 to 26	in clay loam		moderate	2.13 to 2.69 in	5.6 to 7.3
Bk 26 to 48	in loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C 48 to 80	in loam		moderate	4.84 to 6.13 in	7.4 to 8.4

Le Sueur

Extent: 25 percent of the unit Landform(s): hills on moraines Slope gradient: 1 to 4 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .24

Land capability, nonirrigated: 1

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile	e:	Texture	Permeability	Available water capacity	рН
Ap,AB 0 to 14 in	loam		moderate	2.83 to 3.40 in	5.6 to 7.3
Bt 14 to 40 in	clay loam		moderate	3.90 to 4.94 in	5.1 to 7.3
Bk 40 to 55 in	loam		moderate	2.24 to 2.84 in	7.4 to 8.4
C 55 to 80 in	loam		moderate	3.72 to 4.71 in	7.4 to 8.4



Wright County, Minnesota

1213C--Cokato-Storden complex, 6 to 12 percent slopes, eroded

Cokato, eroded

Extent: 65 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .24
Land capability, nonirrigated: 3e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative soil p	orofile:	Texture	Permeability	Available water capacity	рН
Ap 0 to	8 in	loam	moderate	1.57 to 1.73 in	5.6 to 7.3
Bt 8 to 2	23 in	clay loam	moderate	2.24 to 2.84 in	5.6 to 7.3
Bk 23 to	48 in	loam	moderate	3.78 to 4.79 in	7.4 to 8.4
C 48 to	80 in	loam	moderate	4.78 to 6.06 in	7.4 to 8.4

Storden

Extent: 20 percent of the unit Landform(s): hills on moraines Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 4L
Wind erodibility index (WEI): 86
Kw factor (surface layer) .32
Land capability, nonirrigated: 3e
Hydric soil: no

Potential for frost action: moderate

Hydrologic group: B

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 7 in	loam	moderate	1.42 to 1.56 in	7.4 to 8.4
Bk	7 to 55 in	loam	moderate	7.20 to 9.13 in	7.4 to 8.4
C :	55 to 80 in	loam	moderate	3.72 to 4.71 in	7.4 to 8.4



Wright County, Minnesota

1213D--Cokato-Storden complex, 12 to 18 percent slopes, eroded

Cokato, eroded

Extent: 60 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): hills on moraines

Wind erodibility group (WEG): 6

Slope gradient: 12 to 18 percent Wind erodibility index (WEI): 48

Parent material: till Kw factor (surface layer) .24
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 4e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 8 in	loam	moderate	1.57 to 1.73 in	5.6 to 7.3
Bt 8 to 20 in	clay loam	moderate	1.83 to 2.32 in	5.6 to 7.3
Bk 20 to 40 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4
C 40 to 80 in	loam	moderate	5.96 to 7.56 in	7.4 to 8.4

Storden

Extent: 25 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): hills on moraines

Wind erodibility group (WEG): 4L

Slope gradient: 12 to 18 percent Wind erodibility index (WEI): 86

Parent material: till Kw factor (surface layer) .32
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 4e

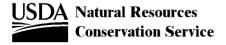
Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 7 in	loam	moderate	1.42 to 1.56 in	7.4 to 8.4
Bk	7 to 55 in	loam	moderate	7.20 to 9.13 in	7.4 to 8.4
C 5	55 to 80 in	loam	moderate	3.72 to 4.71 in	7.4 to 8.4



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Wright County, Minnesota

1220C--Cokato-Storden-Hawick complex, 6 to 12 percent slopes, eroded

Cokato, eroded

Extent: 50 percent of the unit Landform(s): hills on moraines Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .24
Land capability, nonirrigated: 3e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

A collecte contact

Representative so	il profile:	Texture	Permeability	capacity	pН
Ap 0 to	o 8 in	loam	moderate	1.57 to 1.73 in	5.6 to 7.3
Bt 8 to	23 in	clay loam	moderate	2.24 to 2.84 in	5.6 to 7.3
Bk 23 to	48 in	loam	moderate	3.78 to 4.79 in	7.4 to 8.4
C 48 to	80 in	loam	moderate	4.78 to 6.06 in	7.4 to 8.4

Storden

Extent: 20 percent of the unit Landform(s): hills on moraines Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 4L
Wind erodibility index (WEI): 86
Kw factor (surface layer) .32
Land capability, nonirrigated: 3e
Hydric soil: no

Potential for frost action: moderate

Hydrologic group: B

Representative	soil profile:	Text	ure	Permeability	Available water capacity	рН
Ар	0 to 7 in	loam		moderate	1.42 to 1.56 in	7.4 to 8.4
Bk	7 to 55 in	loam		moderate	7.20 to 9.13 in	7.4 to 8.4
C 5	5 to 80 in	loam		moderate	3.72 to 4.71 in	7.4 to 8.4



Wright County, Minnesota

1220C--Cokato-Storden-Hawick complex, 6 to 12 percent slopes, eroded

Hawick

Extent: 15 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 56

Parent material: outwash

Kw factor (surface layer) .15

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,AB 0 to 10 in	gravelly sandy loam	rapid	0.30 to 1.28 in	6.1 to 7.8
C 10 to 60 in	gravelly coarse sand	very rapid	1.00 to 3.00 in	7.4 to 8.4



Wright County, Minnesota

1223--Sandberg-Arvilla complex, map >25, 0 to 3 percent slopes

Sandberg, MAP>25

Extent: 60 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): stream terraces, -- error in exists on -- Wind erodibility group (WEG): 2

Slope gradient: 1 to 3 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .10

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 11 in	loamy coarse sand	rapid	1.10 to 1.32 in	5.6 to 7.8
Bw,BC 11 to 35 in	gravelly coarse sand	rapid	0.72 to 2.40 in	6.1 to 7.8
C 35 to 80 in	gravelly coarse sand	very rapid	0.90 to 2.69 in	7.4 to 8.4

Arvilla, MAP>25

Extent: 30 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): stream terraces, -- error in exists on -- Wind erodibility group (WEG): 3

Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 86
Parent material: outwash Kw factor (surface layer) .17

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 3s

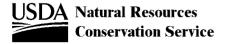
Flooding: none

Hydric soil: no

Hydrologic group: A

Drainage class: somewhat excessively drained Potential for frost action: low

Representative so	oil profile:	Texture	Permeability	capacity	рН
Ap,A 0 t	o 14 in	coarse sandy loam	moderately rapid	1.84 to 2.13 in	6.1 to 7.3
Bw 14 t	o 17 in	coarse sandy loam	moderately rapid	0.30 to 0.39 in	6.1 to 7.3
2Bw,2C 17 t	o 80 in	gravelly coarse sand	rapid	1.26 to 3.15 in	7.4 to 8.4



Available weter

Wright County, Minnesota

1224--Hubbard-Verndale, acid substratum, complex, 0 to 3 percent slopes

Hubbard

Extent: 60 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): stream terraces, outwash plains

Wind erodibility group (WEG): 2

Slope gradient: 1 to 3 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .10

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative s	soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0	to 11 in	loamy coarse sand	rapid	0.88 to 1.32 in	5.1 to 7.3
Bw 11	to 27 in	loamy sand	rapid	0.48 to 1.13 in	5.1 to 7.3
BC,C 27	to 80 in	sand	rapid	1.58 to 3.69 in	5.6 to 7.8

Verndale, acid substratum

Extent: 30 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): swales on stream terraces, swales on outwash Wind erodibility group (WEG): 3

plains

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: outwash Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3s

Flooding: none

Hydric soil: no

Ponding: none Hydrologic group: B

Drainage class: somewhat excessively drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 10 in	coarse sandy loam	moderately rapid	1.28 to 1.67 in	5.1 to 7.3
Bt 10 to 16 in	coarse sandy loam	moderate	0.88 to 1.13 in	5.1 to 7.3
2Bw 16 to 45 in	coarse sand	rapid	1.72 to 2.30 in	5.1 to 7.3
2C 45 to 80 in	sand	rapid	0.70 to 2.10 in	5.1 to 7.3



Wright County, Minnesota

1231--Hubbard-Mosford complex, 0 to 3 percent slopes

Hubbard

Extent: 60 percent of the unit Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 2 Landform(s): stream terraces, outwash plains

Slope gradient: 1 to 3 percent Wind erodibility index (WEI): 134 Parent material: outwash Kw factor (surface layer) .10 Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 4s

Flooding: none Hydric soil: no Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,AB	0 to 20 in	loamy sand	rapid	1.61 to 2.41 in	5.1 to 7.3
Bw 2	20 to 32 in	loamy sand	rapid	0.35 to 0.83 in	5.1 to 7.3
BC,C 3	32 to 80 in	sand	rapid	1.44 to 3.36 in	5.6 to 7.8

Mosford

Extent: 30 percent of the unit Soil loss tolerance (T factor): 2 Wind erodibility group (WEG): 3

Landform(s): swales on stream terraces, swales on outwash

plains

Wind erodibility index (WEI): 86 Slope gradient: 0 to 2 percent Parent material: outwash Kw factor (surface layer) .20 Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 3s

Flooding: none Hydric soil: no Ponding: none Hydrologic group: A

Drainage class: somewhat excessively drained Potential for frost action: low

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 13 in	sandy loam	moderately rapid	1.69 to 2.34 in	5.1 to 7.3
Bw 13 to 16 in	coarse sandy loam	moderately rapid	0.38 to 0.54 in	5.1 to 7.3
2Bw 16 to 35 in	coarse sand	rapid	0.57 to 2.08 in	5.1 to 7.3
2C 35 to 80 in	sand	rapid	0.90 to 3.14 in	5.1 to 7.8



Wright County, Minnesota

1255--Elkriver fine sandy loam, 0 to 2 percent slopes, occasionally flooded

Elkriver, occasionally flooded

Extent: 80 percent of the unit

Landform(s): alluvial flats on flood plains

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: alluvium

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: occasional Hydric soil: no
Ponding: none Hydrologic group: A/D

Drainage class: somewhat poorly drained Potential for frost action: moderate

Representative soil profile	Texture	Permeability	Available water capacity	pН
Ap 0 to 10 in	fine sandy loam	moderately rapid	1.57 to 1.97 in	5.1 to 7.3
A1,A3 10 to 26 in	fine sandy loam	moderately rapid	2.42 to 3.23 in	5.1 to 7.3
Bw 26 to 32 in	very fine sandy loam	moderately rapid	0.89 to 1.12 in	5.6 to 7.8
2C 32 to 80 in	sand	rapid	0.96 to 4.80 in	5.6 to 7.8

1256--Cantlin loamy fine sand, 0 to 3 percent slopes

Cantlin

Extent: 90 percent of the unit

Landform(s): outwash plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Slope gradient: 0 to 3 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .20

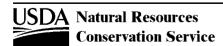
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: well drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 8 in	loamy fine sand	rapid	0.79 to 0.94 in	5.1 to 6.0
Bw	8 to 22 in	loamy fine sand	rapid	0.85 to 1.13 in	5.1 to 6.0
BC,C 2	22 to 80 in	fine sand	rapid	2.89 to 4.05 in	5.1 to 6.5



Wright County, Minnesota

1257--Elkriver-Mosford complex, 0 to 6 percent slopes, rarely flooded

Elkriver, rarely flooded

Extent: 55 percent of the unit

Landform(s): benches on flood plains

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Slope gradient: 0 to 3 percent

Wind erodibility index (WEI): 86

Parent material: alluvium

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2s

Flooding: rare

Hydric soil: no
Ponding: none

Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	capacity	рН
Ap	0 to 10 in	fine sandy loam	moderately rapid	1.57 to 1.97 in	5.1 to 7.3
A1,A3 1	0 to 35 in	fine sandy loam	moderately rapid	3.78 to 5.04 in	5.1 to 7.3
Bw 3	5 to 39 in	fine sandy loam	moderately rapid	0.59 to 0.75 in	5.6 to 7.8
2C 3	9 to 80 in	sand	rapid	0.82 to 4.09 in	5.6 to 7.8

Mosford, rarely flooded

Extent: 35 percent of the unit

Soil loss tolerance (T factor): 2

Landform(s): rises on benches on flood plains

Wind erodibility group (WEG): 3

Slope gradient: 2 to 6 percent Wind erodibility index (WEI): 86
Parent material: outwash Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 3e

Flooding: rare

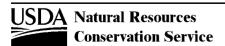
Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: somewhat excessively drained Potential for frost action: low

Representative soil profile	: Texture	Permeability	capacity	рН
Ap 0 to 11 in	fine sandy loam	moderately rapid	1.43 to 1.98 in	5.1 to 7.3
Bw 11 to 16 in	fine sandy loam	moderately rapid	0.61 to 0.87 in	5.1 to 7.3
2Bw 16 to 25 in	fine sand	rapid	0.27 to 1.00 in	5.1 to 7.3
2C 25 to 80 in	sand	rapid	1.09 to 3.83 in	5.1 to 7.8



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Wright County, Minnesota

1260B--Stonelake-Nebish, moderately wet, complex, 2 to 6 percent slopes

Stonelake

Extent: 55 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .17

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 8 in	loamy coarse sand	very rapid	0.79 to 0.94 in	5.1 to 6.5
Bt	8 to 30 in	very gravelly loamy coarse sand	very rapid	0.66 to 1.76 in	5.1 to 6.5
BC.C 3	80 to 80 in	gravelly sand	very rapid	1.00 to 2.50 in	5.1 to 7.4

Nebish, moderately wet

Extent: 30 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 86

Parent material: till

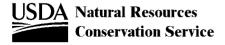
Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative so	oil profile:	Texture	Permeability	capacity	рН
Ap 0 t	to 6 in	fine sandy loam	moderately rapid	0.77 to 1.06 in	5.6 to 7.3
E 6 t	to 9 in	fine sandy loam	moderately rapid	0.35 to 0.60 in	5.6 to 7.3
Bt 9 t	to 43 in	clay loam	moderate	5.08 to 6.43 in	5.6 to 7.3
Bk 43 t	to 80 in	loam	moderate	4.07 to 7.03 in	7.4 to 7.8



Available water

Wright County, Minnesota

1260C--Stonelake-Nebish complex, 6 to 12 percent slopes

Stonelake

Extent: 55 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 2

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 6s

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil	l profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to	7 in	loamy sand	very rapid	0.71 to 0.85 in	5.1 to 6.5
E 7 to	20 in	loamy coarse sand	very rapid	0.39 to 0.52 in	5.1 to 6.5
Bt 20 to	42 in	very gravelly coarse sand	very rapid	0.66 to 1.76 in	5.1 to 6.5
C 42 to	80 in	very gravelly coarse sand	verv rapid	0.76 to 1.89 in	5.1 to 7.8

Nebish

Extent: 30 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile.	Texture	Permeability	Available water capacity	рН
Ap 0 to 3 in	fine sandy loam	moderately rapid	0.41 to 0.57 in	5.6 to 7.3
E 3 to 10 in	fine sandy loam	moderately rapid	0.74 to 1.27 in	5.6 to 7.3
Bt 10 to 29 in	clay loam	moderate	2.89 to 3.67 in	5.6 to 7.3
Bk 29 to 80 in	loam	moderate	5.59 to 9.65 in	7.4 to 7.8



Wright County, Minnesota

1260E--Stonelake-Nebish complex, 12 to 25 percent slopes

Stonelake

Extent: 60 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Slope gradient: 12 to 25 percent

Wind erodibility index (WEI): 56

Parent material: outwash

Kw factor (surface layer) .10

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 7s

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigation

Hydric soil: no

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil	profile:	Texture	Permeability	capacity	рН
A 0 to	5 in	gravelly coarse sandy loam	rapid	0.31 to 0.77 in	5.1 to 6.5
Bw 5 to	11 in	very gravelly coarse sand	very rapid	0.18 to 0.24 in	5.1 to 6.5
Bt 11 to	20 in	very gravelly coarse sand	very rapid	0.27 to 0.72 in	5.1 to 6.5
BC.C 20 to	80 in	very gravelly coarse sand	verv rapid	1.20 to 2.99 in	5.1 to 7.8

Nebish

Extent: 25 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 12 to 25 percent

Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 6e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
A 0) to 5 in	fine sandy loam	moderately rapid	0.67 to 0.92 in	5.6 to 7.3
EB 5	to 9 in	fine sandy loam	moderately rapid	0.43 to 0.75 in	5.6 to 7.3
Bt 9	to 27 in	clay loam	moderate	2.72 to 3.44 in	5.6 to 7.3
Bk 27	7 to 80 in	loam	moderate	5.80 to 10.02 in	7.4 to 7.8



Wright County, Minnesota

1288--Seelyeville and Markey soils, ponded, 0 to 1 percent slopes

Seelyeville, ponded

Extent: 45 percent of the unit Soil loss tolerance (T factor): 2

Landform(s): marshes on outwash plains, marshes on stream Wind erodibility group (WEG): 8

terraces

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 0

Parent material: organic material

Kw factor (surface layer) .02

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 8w

Restrictive feature(s): greater than 60 inches

Land ca

Flooding: none

Hydric s

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: A/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Oa1 0 to 15 in	muck	moderately rapid	5.24 to 6.73 in	
Oa2.Oa3 15 to 80 in	muck	moderately rapid	22.74 to 29.23 in	

Markey, ponded

Extent: 45 percent of the unit Soil loss tolerance (T factor): 1

Landform(s): marshes on outwash plains, marshes on stream Wind erodibility group (WEG): 8

terraces

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 0

Parent material: organic material over outwash

Restrictive feature(s): greater than 60 inches

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Flooding: none Hydric soil: yes

Ponding: frequent Hydrologic group: A/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Oa 0 to 27 in	muck	moderately rapid	9.51 to 12.22 in	
A 27 to 32 in	loamy sand	rapid	0.14 to 0.38 in	
Cg 32 to 80 in	sand	rapid	1.44 to 3.84 in	



I Available water

Wright County, Minnesota

1356--Water, miscellaneous

Water, miscellaneous

Extent: 100 percent of the unit Soil loss tolerance (T factor):

Landform(s): Wind erodibility group (WEG): Slope gradient: Wind erodibility index (WEI):

Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil:

Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity pH

1362B--Angus loam, 2 to 5 percent slopes

Angus

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): hills on moraines

Wind erodibility group (WEG): 6

Slope gradient: 2 to 5 percent Wind erodibility index (WEI): 48

Parent material: till Kw factor (surface layer) .28
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2e

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil prof	ile: Texture	Permeability	Available water capacity	рН
Ap 0 to 8 in	loam	moderate	1.57 to 1.73 in	5.6 to 7.3
Bt 8 to 35 in	clay loam	moderate	4.07 to 5.16 in	5.1 to 7.3
BC 35 to 40 in	clay loam	moderate	0.72 to 0.97 in	6.1 to 7.8
C 40 to 80 in	loam	moderate	5.96 to 7.56 in	7.4 to 8.4



Wright County, Minnesota

1368--Southhaven loam, 0 to 2 percent slopes

Southhaven

Extent: 90 percent of the unit Landform(s): outwash plains Slope gradient: 0 to 2 percent

Parent material: colluvium over outwash
Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 5 Wind erodibility index (WEI): 56 Kw factor (surface layer) .28 Land capability, nonirrigated: 1

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A3 0 to 48 in	loam	moderate	7.20 to 10.57 in	5.1 to 7.3
Bw 48 to 62 in	loam	moderate	1.65 to 2.62 in	5.1 to 7.3
2Bw 62 to 66 in	loamy sand	rapid	0.04 to 0.48 in	5.1 to 7.3
2C 66 to 80 in	gravelly sand	rapid	0.28 to 0.96 in	5.6 to 7.8

Wright County, Minnesota

1377B--Dorset-Two Inlets complex, 2 to 6 percent slopes

Dorset

Extent: 70 percent of the unit Soil loss tolerance (T factor): 2

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 3

Slope gradient: 2 to 6 percent Wind erodibility index (WEI): 86

Parent material: outwash Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 3s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 11 in	sandy loam	moderately rapid	1.43 to 1.65 in	5.6 to 7.3
Bt 1	1 to 19 in	sandy loam	moderately rapid	0.94 to 1.50 in	5.6 to 7.3
2BC 1	9 to 32 in	gravelly loamy sand	rapid	0.78 to 1.30 in	6.6 to 8.4
2C 3	2 to 80 in	gravelly coarse sand	rapid	0.96 to 1.92 in	7.4 to 8.4

Two Inlets

Extent: 20 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 2

Slope gradient: 2 to 6 percent Wind erodibility index (WEI): 134

Parent material: outwash Kw factor (surface layer) .15

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none

Hydric soil: no

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil profile:		Texture	Permeability	Available water capacity	рН
Ap	0 to 9 in	loamy sand	rapid	0.91 to 1.09 in	5.6 to 7.3
Bt	9 to 19 in	gravelly loamy sand	rapid	0.89 to 1.08 in	6.1 to 7.3
C ′	19 to 80 in	gravelly sand	very rapid	1.22 to 2.44 in	7.4 to 8.4



Wright County, Minnesota

1377C--Dorset-Two Inlets complex, 6 to 12 percent slopes

Dorset

Extent: 50 percent of the unit Soil loss tolerance (T factor): 2

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 3

Slope gradient: 6 to 12 percent Wind erodibility index (WEI): 86

Parent material: outwash Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 4e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:		Texture	Permeability	Available water capacity	рН
Ap,A	0 to 11 in	sandy loam	moderately rapid	1.43 to 1.65 in	5.6 to 7.3
Bt 1	1 to 19 in	sandy loam	moderately rapid	0.94 to 1.50 in	5.6 to 7.3
2BC 1	9 to 32 in	gravelly loamy sand	rapid	0.78 to 1.30 in	6.6 to 8.4
2C 3	2 to 80 in	gravelly coarse sand	rapid	0.96 to 1.92 in	7.4 to 8.4

Two Inlets

Extent: 35 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 2

Slope gradient: 6 to 12 percent Wind erodibility index (WEI): 134

Parent material: outwash Kw factor (surface layer) .15

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none

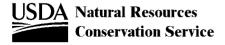
Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil profile:		Texture	Permeability	Available water capacity	рН
Ар	0 to 9 in	loamy sand	rapid	0.91 to 1.09 in	5.6 to 7.3
Bt	9 to 19 in	gravelly loamy sand	rapid	0.89 to 1.08 in	6.1 to 7.3
C 1	19 to 80 in	gravelly sand	very rapid	1.22 to 2.44 in	7.4 to 8.4



Wright County, Minnesota

1377D--Dorset-Two Inlets complex, 12 to 20 percent slopes

Dorset

Extent: 45 percent of the unit Soil loss tolerance (T factor): 2

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 3

Slope gradient: 12 to 20 percent Wind erodibility index (WEI): 86

Parent material: outwash Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 6e

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 9 in	sandy loam	moderately rapid	1.18 to 1.36 in	5.6 to 7.3
Bt	9 to 14 in	sandy loam	moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2Bt,2BC 1	4 to 25 in	gravelly loamy sand	rapid	0.66 to 1.10 in	6.6 to 8.4
2C 2	25 to 80 in	gravelly sand	rapid	1.09 to 2.19 in	7.4 to 8.4

Two Inlets

Extent: 40 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 2

Slope gradient: 12 to 20 percent Wind erodibility index (WEI): 134

Parent material: outwash Kw factor (surface layer) .15
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 6s

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 9 in	loamy sand	rapid	0.91 to 1.09 in	5.6 to 7.3
Bt	9 to 19 in	gravelly loamy sand	rapid	0.89 to 1.08 in	6.1 to 7.3
C '	19 to 80 in	gravelly sand	very rapid	1.22 to 2.44 in	7.4 to 8.4



Wright County, Minnesota

1377E--Dorset-Two Inlets complex, 20 to 35 percent slopes

Dorset

Extent: 45 percent of the unit Soil loss tolerance (T factor): 2

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 3

Slope gradient: 20 to 35 percent Wind erodibility index (WEI): 86

Parent material: outwash Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 7e

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
A	0 to 9 in	sandy loam	moderately rapid	1.18 to 1.36 in	5.6 to 7.3
Bt	9 to 14 in	coarse sandy loam	moderately rapid	0.61 to 0.97 in	5.6 to 7.3
2BC 1	14 to 27 in	loamy sand	rapid	0.78 to 1.30 in	6.6 to 8.4
2C 2	27 to 80 in	gravelly sand	rapid	1.06 to 2.11 in	7.4 to 8.4

Two Inlets

Extent: 45 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 2

Slope gradient: 20 to 35 percent Wind erodibility index (WEI): 134

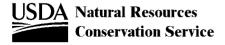
Parent material: outwash Kw factor (surface layer) .15
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 7s

Flooding: none Hydric soil: no

Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
A	0 to 8 in	loamy sand	rapid	0.79 to 0.94 in	5.6 to 7.3
BE,Bt	8 to 20 in	loamy sand	rapid	1.10 to 1.34 in	6.1 to 7.3
BC,C 2	0 to 80 in	gravelly sand	very rapid	1.20 to 2.39 in	7.4 to 8.4



Wright County, Minnesota

1378--Fordum loam, 0 to 2 percent slopes, occasionally flooded

Fordum, occasionally flooded

Extent: 85 percent of the unit Soil loss tolerance (T factor): 3

Landform(s): alluvial flats on flood plains

Wind erodibility group (WEG): 5

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 56

Parent material: alluvium

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4w

Flooding: occasional Hydric soil: yes
Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative so	oil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 t	o 9 in	loam	moderate	1.54 to 2.17 in	5.1 to 7.3
Cg 9 t	o 38 in	loam	moderate	2.91 to 6.41 in	5.1 to 7.3
2Ca 38 t	o 80 in	stratified sand to silt loam	rapid	1.67 to 6.68 in	5.6 to 7.3



Wright County, Minnesota

1379B--Dorset-Almora complex, 1 to 4 percent slopes

Dorset

Extent: 65 percent of the unit Soil loss tolerance (T factor): 3

Landform(s): hills on stream terraces, hills on outwash plains Wind erodibility group (WEG): 5

Slope gradient: 1 to 4 percent Wind erodibility index (WEI): 56
Parent material: outwash Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 3s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative soil profit	le: Texture	Permeability	capacity	рН
Ap 0 to 9 in	loam	moderately rapid	1.63 to 1.99 in	5.6 to 7.3
Bt 9 to 21 in	loam	moderately rapid	1.42 to 2.24 in	5.6 to 7.3
2Bt 21 to 26 in	gravelly loamy sand	rapid	0.31 to 0.51 in	6.6 to 8.4
2C 26 to 80 in	gravelly sand	rapid	1.08 to 2.16 in	7.4 to 8.4

Almora

Extent: 25 percent of the unit Soil loss tolerance (T factor): 3

Landform(s): flats on outwash plains, flats on stream terraces Wind erodibility group (WEG): 5
Slope gradient: 1 to 2 percent Wind erodibility index (WEI): 56

Parent material: outwash Kw factor (surface layer) .32
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2s

Flooding: none

Hydric soil: no

Drainage class: well drained Potential for frost action: moderate

Representative soil profile	e: Texture	Permeability	Available water capacity	рН
Ap 0 to 10 in	loam	moderate	1.97 to 2.17 in	5.6 to 7.3
BE 10 to 14 in	fine sandy loam	moderate	0.52 to 0.82 in	5.6 to 7.3
Bt 14 to 36 in	loam	moderate	3.03 to 4.11 in	5.6 to 7.3
2Bt 36 to 41 in	loamy sand	rapid	0.10 to 0.56 in	5.6 to 7.8
2C 41 to 80 in	gravelly coarse sand	rapid	0.78 to 2.73 in	7.4 to 8.4



Ponding: none

Hydrologic group: B

Wright County, Minnesota

1380A--Bygland silt loam, map >25, 0 to 2 percent slopes

Bygland, MAP>25

Extent: 85 percent of the unit

Landform(s): lake plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 48

Parent material: glaciolacustrine sediments

Kw factor (surface layer) .43

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 1

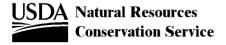
Flooding: none

Hydric soil: no

Flooding: noneHydric soil: noPonding: noneHydrologic group: C

Drainage class: moderately well drained Potential for frost action: high

Representative soil pro	ofile: Texture	Permeability	Available water capacity	рН
Ap 0 to 9 i	n silt loam	moderate	1.99 to 2.17 in	6.1 to 7.3
Bt 9 to 23	in silty clay	moderately slow	1.38 to 2.62 in	6.1 to 7.8
BC 23 to 27	in silt loam	moderately slow	0.69 to 0.95 in	7.4 to 8.4
C 27 to 80	in stratified silt loam to silty clay loam	moderately slow	8.44 to 11.61 in	7.4 to 8.4



Wright County, Minnesota

1380B--Bygland silt loam, map >25, 2 to 6 percent slopes

Bygland, MAP>25

Extent: 70 percent of the unit

Landform(s): hills on lake plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 48

Parent material: glaciolacustrine sediments

Kw factor (surface layer) .43

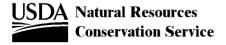
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: C

Drainage class: moderately well drained Potential for frost action: high

Representative soil pro	ofile: Texture	Permeability	Available water capacity	рН
Ap 0 to 9 i	n silt loam	moderate	1.99 to 2.17 in	6.1 to 7.3
Bt 9 to 23	in silty clay	moderately slow	1.38 to 2.62 in	6.1 to 7.8
BC 23 to 27	in silt loam	moderately slow	0.69 to 0.95 in	7.4 to 8.4
C 27 to 80	in stratified silt loam to silty clay loam	moderately slow	8.44 to 11.61 in	7.4 to 8.4



Wright County, Minnesota

1380C--Bygland silt loam, map >25, 6 to 12 percent slopes, eroded

Bygland, MAP>25

Extent: 70 percent of the unit

Landform(s): hills on lake plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 48

Parent material: glaciolacustrine sediments

Kw factor (surface layer) .43

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: C

Drainage class: moderately well drained Potential for frost action: high

Representative so	il profile:	Texture	Permeability	capacity	рН
Ap 0 to	7 in	silt loam	moderate	1.56 to 1.70 in	6.1 to 7.3
Bt 7 to	20 in	silty clay	moderately slow	1.30 to 2.47 in	6.1 to 7.8
BC 20 to	26 in	silt loam	moderately slow	0.94 to 1.30 in	7.4 to 8.4
C 26 to	80 in	stratified silt loam to silty clay loam	moderately slow	8.63 to 11.87 in	7.4 to 8.4

1381--Lindaas silt loam, morainic, 0 to 2 percent slopes

Lindaas, morainic

Extent: 80 percent of the unit Soil loss tolerance (T factor): 3

Landform(s): flats on lake plains, swales on lake plains

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 48

Parent material: glaciolacustrine sediments

Kw factor (surface layer) .37

Restrictive feature(s): greater than 60 inches

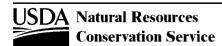
Land capability, nonirrigated: 2w
Flooding: none

Hydric soil: yes

Ponding: none Hydrologic group: C/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profile	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 16 in	silt loam	moderate	2.91 to 3.71 in	6.6 to 7.3
Btg 16 to 32 in	silty clay	slow	1.57 to 2.20 in	6.6 to 7.3
Cg 32 to 80 in	silty clay loam	moderately slow	5.28 to 7.20 in	7.4 to 8.4



A. allahla ...atau

Wright County, Minnesota

1383A--Shorewood silty clay loam, moderately wet, 0 to 3 percent slopes

Shorewood, moderately wet

Extent: 95 percent of the unit

Landform(s): lake plains, moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 0 to 3 percent

Wind erodibility index (WEI): 48

Parent material: lacustrine sediments over till

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: none Hydric soil: no

Ponding: none Hydrologic group: C/D

Drainage class: somewhat poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Ap,A,AB 0 to 17 in	silty clay loam	moderately slow	3.05 to 3.72 in	5.6 to 7.3
Bt 17 to 39 in	silty clay	moderately slow	2.87 to 3.53 in	5.1 to 7.3
2BCg,2Cg 39 to 60 in	loam	moderate	3.13 to 3.96 in	7.4 to 8.4

1388B--Terril loam, moderately wet, 2 to 6 percent slopes

Terril, moderately wet

Extent: 85 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 48

Parent material: colluvium over till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A1 0 to 27 in	loam	moderate	5.43 to 5.98 in	6.1 to 7.3
A2,BA 27 to 40 in	loam	moderate	2.21 to 2.47 in	6.1 to 7.3
Bw 40 to 63 in	loam	moderate	3.65 to 4.11 in	6.1 to 7.3
C 63 to 80 in	loam	moderate	2.54 to 3.22 in	7.4 to 8.4



A. a. ilabia ...atau

Wright County, Minnesota

1406--Medo, Dassel, and Biscay soils, ponded, 0 to 1 percent slopes

Medo, ponded

Extent: 30 percent of the unit Soil loss tolerance (T factor): 1 Wind erodibility group (WEG): 8

Landform(s): marshes on outwash plains, marshes on stream

terraces

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 0 Parent material: organic material over outwash Kw factor (surface layer) .02

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 8w

Flooding: none Hydric soil: yes **Ponding:** frequent Hydrologic group: A/D

Drainage class: very poorly drained Potential for frost action: high

Representative s	oil profile:		Texture	Permeability	Available water capacity	рН
Oa 0	to 20 in	muck		moderately rapid	7.03 to 9.04 in	
2A 20	to 34 in	loam		moderately rapid	1.79 to 2.76 in	
2AC,2Cq 34	to 60 in	sand		rapid	0.78 to 2.60 in	

Dassel, ponded

Extent: 30 percent of the unit Soil loss tolerance (T factor): 3

Landform(s): outwash plains, marshes on stream terraces Wind erodibility group (WEG): 8

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 0 Parent material: outwash

Kw factor (surface layer) .20 Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 8w

Hydric soil: yes Flooding: none **Ponding:** frequent Hydrologic group: A/D

Drainage class: very poorly drained Potential for frost action: high

Representativ	e soil profile:	Texture	Permeability	Available water capacity	рН
A1,A3	0 to 23 in	fine sandy loam	moderately rapid	3.65 to 4.57 in	5.6 to 7.3
Bg	23 to 31 in	stratified loamy fine sand to fine sandy loam	moderately rapid	0.99 to 1.41 in	5.6 to 7.3
2Cg	31 to 60 in	stratified coarse sand to loamy sand	rapid	0.57 to 2.30 in	6.1 to 7.8



Wright County, Minnesota

1406--Medo, Dassel, and Biscay soils, ponded, 0 to 1 percent slopes

Biscay, ponded

Soil loss tolerance (T factor): 3 Extent: 30 percent of the unit Wind erodibility group (WEG): 8

Landform(s): marshes on outwash plains, marshes on stream

terraces

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 0 Parent material: outwash Kw factor (surface layer) .28 Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 8w

Flooding: none Hydric soil: yes

Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representativ	e soil profil	e: Texture	Permeability	Available water capacity	рН
A1,AB	0 to 24 in	loam	moderate	4.80 to 5.28 in	6.1 to 7.8
Bg	24 to 29 in	loam	moderate	0.87 to 0.97 in	6.6 to 7.8
2BCg,2Cg	29 to 60 in	stratified gravelly coarse sand to loamy sand	very rapid	0.61 to 1.23 in	7.4 to 8.4



Wright County, Minnesota

1408B--Angus-Kilkenny complex, 2 to 6 percent slopes

Angus

Extent: 45 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 2 to 5 percent

Wind erodibility index (WEI): 48

Parent material: till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative s	oil profile:	Texture	Permeability	capacity	pН
Ap 0	to 8 in	loam	moderate	1.57 to 1.73 in	5.6 to 7.3
Bt 8	to 35 in	clay loam	moderate	4.07 to 5.16 in	5.1 to 7.3
BC 35	to 40 in	clay loam	moderate	0.72 to 0.97 in	6.1 to 7.8
C 40	to 80 in	loam	moderate	5.96 to 7.56 in	7.4 to 8.4

Kilkenny

Extent: 40 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 48

Parent material: glaciofluvial sediments and reworked till over

Kw factor (surface layer) .28

till

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: C

Drainage class: moderately well drained Potential for frost action: high

Representativ	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 11 in	clay loam	moderately slow	1.87 to 2.09 in	5.6 to 7.3
Bt	11 to 35 in	clay loam	moderately slow	3.60 to 4.56 in	5.1 to 7.3
2Bk,2C	35 to 80 in	loam	moderate	6.73 to 8.53 in	7.4 to 8.4



Wright County, Minnesota

1438B--Braham loamy fine sand, moderately wet, 2 to 5 percent slopes

Braham, moderately wet

Extent: 85 percent of the unit

Landform(s): hills on moraines

Wind erodibility group (WEG): 2

Slope gradient: 2 to 5 percent

Wind erodibility index (WEI): 134

Parent material: outwash over till

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: moderately well drained Potential for frost action: low

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 8 in	loamy fine sand	rapid	0.79 to 0.94 in	5.6 to 7.3
E 8 to 24 in	loamy fine sand	rapid	1.29 to 1.61 in	5.6 to 7.3
2Bt 24 to 42 in	sandy clay loam	moderate	2.72 to 3.26 in	5.1 to 7.3
2Bk 42 to 60 in	loam	moderate	2.66 to 3.19 in	7.4 to 8.4



Wright County, Minnesota

1443--Belleville sandy loam, 0 to 2 percent slopes

Belleville

Extent: 85 percent of the unit

Landform(s): beaches on moraines

Slope gradient: 0 to 2 percent

Parent material: glaciolacustrine sediments over till Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 3 Wind erodibility index (WEI): 86 Kw factor (surface layer) .17 Land capability, nonirrigated: 5w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 11 in	sandy loam	moderately rapid	1.43 to 1.98 in	6.1 to 7.3
Bg 11 to 27 in	loamy sand	rapid	0.65 to 1.94 in	6.1 to 7.3
2Bg 27 to 48 in	loam	moderately slow	2.50 to 4.17 in	6.1 to 7.3
2Cg 48 to 80 in	loam	moderate	4.78 to 6.06 in	7.4 to 8.4

Wright County, Minnesota

1901B--Angus-Le Sueur complex, 1 to 5 percent slopes

Angus

Extent: 60 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .24
Land capability, nonirrigated: 2e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative :	soil profile:	Texture	Permeability	Available water capacity	рН
Ap () to 8 in	loam	moderate	1.57 to 1.73 in	5.6 to 7.3
Bt 8	3 to 35 in	clay loam	moderate	4.07 to 5.16 in	5.1 to 7.3
BC 35	5 to 40 in	clay loam	moderate	0.72 to 0.97 in	6.1 to 7.8
C 40) to 80 in	loam	moderate	5.96 to 7.56 in	7.4 to 8.4

Le Sueur

Extent: 30 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): moraines Wind erodibility group (WEG): 6

Slope gradient: 1 to 4 percent Wind erodibility index (WEI): 48
Parent material: till Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

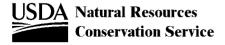
Land capability, nonirrigated: 1

Flooding: none Hydric soil: no

Ponding: none Hydrologic group: B/D

Drainage class: somewhat poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,AB 0 to 14 in	loam	moderate	2.83 to 3.40 in	5.6 to 7.3
Bt 14 to 40 in	clay loam	moderate	3.90 to 4.94 in	5.1 to 7.3
Bk 40 to 55 in	loam	moderate	2.24 to 2.84 in	7.4 to 8.4
C 55 to 80 in	loam	moderate	3.72 to 4.71 in	7.4 to 8.4



Wright County, Minnesota

1931--Essexville sandy loam, 0 to 2 percent slopes

Essexville

Extent: 75 percent of the unit

Landform(s): beaches on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: glaciolacustrine sediments over till

Kw factor (surface layer) .17

Parent material: glaciolacustrine sediments over till Kw factor (surface layer) .17

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 5w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 15 in	sandy loam	moderately rapid	1.94 to 2.69 in	7.4 to 8.4
Bg 1	15 to 30 in	sand	rapid	0.60 to 1.80 in	7.4 to 8.4
2Cg 3	30 to 80 in	loam	moderate	7.50 to 9.50 in	7.4 to 8.4

1942--Forada mucky loam, depressional, 0 to 1 percent slopes

Forada, depressional

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 3

Landform(s): depressions on outwash plains, depressions on

Wind erodibility group (WEG): 5

stream terraces

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 56

Parent material: outwash

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 6w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile	e: Texture	Permeability	Available water capacity	рН
A 0 to 10 in	mucky loam	moderate	1.97 to 2.17 in	6.1 to 7.3
Bg 10 to 21 in	sandy loam	moderately rapid	1.32 to 2.09 in	6.1 to 7.8
2BCg,2Cg 21 to 60 in	gravelly coarse sand	rapid	0.78 to 3.90 in	6.6 to 8.4



Wright County, Minnesota

1946--Fordum-Winterfield complex, 0 to 2 percent slopes, frequently flooded

Fordum, frequently flooded

Extent: 70 percent of the unit Soil loss tolerance (T factor): 3

Landform(s): alluvial flats on flood plains Wind erodibility group (WEG): 3

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 86

Parent material: alluvium

Kw factor (surface layer) .24

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Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 6w

Flooding: frequent

Hydric soil: yes

Ponding: none

Hydrologic group: A/D

Drainage class: very poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Α (0 to 7 in	fine sandy loam	moderately rapid	0.78 to 1.28 in	5.1 to 7.3
Cg	7 to 28 in	sandy loam	moderately rapid	2.09 to 4.59 in	5.1 to 7.3
2Cg 28	8 to 80 in	sand	rapid	2.08 to 5.20 in	5.6 to 7.3

Winterfield, frequently flooded

Extent: 20 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): rises on flood plains

Wind erodibility group (WEG): 2

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 134

Parent material: alluvium Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 4w

Flooding: frequent

Hydric soil: no

Ponding: none

Hydrologic group: A/D

Drainage class: somewhat poorly drained Potential for frost action: moderate

Representativ	e soil profile:	Texture	Permeability	Available water capacity	рН
A	0 to 8 in	loamy fine sand	rapid	0.79 to 0.94 in	5.6 to 7.3
C1,C2	8 to 20 in	sand	rapid	0.73 to 1.34 in	5.6 to 7.3
C3,C5	20 to 80 in	sand	rapid	2.39 to 5.98 in	5.6 to 7.3



Wright County, Minnesota

1975--Oylen sandy loam, 0 to 2 percent slopes

Oylen

Extent: 90 percent of the unit

Landform(s): stream terraces, outwash plains

Slope gradient: 0 to 2 percent Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 10 in	sandy loam	moderately rapid	1.18 to 1.57 in	6.1 to 7.3
Bt 10 to 18 in	sandy loam	moderate	0.99 to 1.49 in	6.1 to 7.3
2Bw 18 to 38 in	sand	rapid	0.60 to 1.61 in	6.1 to 7.3
2C 38 to 80 in	gravelly coarse sand	rapid	1.25 to 2.92 in	6.6 to 8.4

Wright County, Minnesota

L307B--Koronis loam, 2 to 6 percent slopes

Koronis

Extent: 70 to 90 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 56

Parent material: till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative soil profi	ile: Texture	Permeability	capacity	рН
Ap 0 to 8 in	loam	moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt 8 to 31 in	sandy clay loam	moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk 31 to 43 in	fine sandy loam	moderately rapid	1.30 to 2.24 in	7.4 to 8.4
C 43 to 80 in	fine sandy loam	moderately rapid	4.07 to 5.92 in	7.4 to 8.4



A collecte contact

Wright County, Minnesota

L307C2--Koronis loam, 6 to 12 percent slopes, moderately eroded

Koronis, moderately eroded

Extent: 65 to 80 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): hills on moraines

Wind erodibility group (WEG): 5

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 56

Parent material: till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative	soil	profile:	Texture	Permeability	capacity	pН
Ap	0 to	8 in	loam	moderately rapid	1.57 to 1.73 in	5.6 to 7.3
Bt	8 to	31 in	sandy clay loam	moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk 3	1 to	43 in	fine sandy loam	moderately rapid	1.30 to 2.24 in	7.4 to 8.4
C 4	3 to	80 in	fine sandy loam	moderately rapid	4.07 to 5.92 in	7.4 to 8.4



A collecte contact

Wright County, Minnesota

L317A--Barry loam, 0 to 2 percent slopes

Barry

Extent: 75 to 90 percent of the unit Landform(s): swales on moraines Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 5
Wind erodibility index (WEI): 56
Kw factor (surface layer) .24
Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 11 in	loam	moderately rapid	1.87 to 2.09 in	6.1 to 7.3
Btg 11 to 33 in	sandy clay loam	moderate	3.31 to 3.97 in	6.1 to 7.3
Bkg 33 to 60 in	sandy loam	moderately rapid	2.94 to 3.75 in	7.4 to 7.8
Cg 60 to 80 in	sandy loam	moderately rapid	2.21 to 3.21 in	7.4 to 8.4

Wright County, Minnesota

L318A--Lundlake silty clay loam, 0 to 1 percent slopes

Lundlake

Extent: 80 to 100 percent of the unit

Landform(s): depressions on moraines

Wind erodibility group (WEG): 6

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 48

Parent material: colluvium over till

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3w

Flooding: none

Hydric soil: yes

Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A1,A2	0 to 28 in	silty clay loam	moderate	4.75 to 6.15 in	5.6 to 7.3
AB	28 to 36 in	loam	moderate	1.34 to 1.73 in	6.6 to 7.3
2Bg1,2Bg2	36 to 72 in	sandy loam	moderately rapid	3.62 to 5.43 in	6.6 to 7.8
2Ca	72 to 80 in	sandy loam	moderately rapid	0.79 to 1.18 in	7.4 to 7.8



Wright County, Minnesota

L320A--Muskego and Klossner soils, lundlake catena, 0 to 1 percent slopes, frequently flooded

Muskego, frequently flooded

Extent: 30 to 100 percent of the unit Landform(s): flats on flood plains Slope gradient: 0 to 1 percent

Parent material: organic material over coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: frequent **Ponding:** frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2 Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

Representative soil profile	Texture	Permeability	Available water capacity	рН
Oa1 0 to 9 in	muck	moderately rapid	3.17 to 4.07 in	
Oa2 9 to 36 in	muck	moderately rapid	9.37 to 12.05 in	
Lco 36 to 60 in	coprogenous earth	slow	4.32 to 5.76 in	7.4 to 8.4

Klossner, frequently flooded

Extent: 30 to 100 percent of the unit Landform(s): flood plains Wind erodibility group (WEG): 2 Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 134

Parent material: organic material over loamy glaciofluvial

deposits

Restrictive feature(s): greater than 60 inches

Flooding: frequent **Ponding:** frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

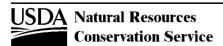
Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Available water

Representative soil profile:	Texture	Permeability	capacity	рН
Oa 0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 26 to 33 in	silt loam	moderate	1.56 to 1.84 in	6.1 to 7.4
2A2 33 to 40 in	loam	moderate	1.28 to 1.56 in	6.1 to 7.4
2Cg 40 to 80 in	sandy loam	moderately rapid	3.98 to 5.96 in	7.4 to 7.8



Wright County, Minnesota

L324A--Forestcity, overwash-Forestcity complex, 1 to 4 percent slopes

Forestcity, overwash

Extent: 35 to 55 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): drainageways on moraines

Wind erodibility group (WEG): 3

Slope gradient: 2 to 4 percent

Wind erodibility index (WEI): 86

Parent material: colluvium over till

Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 2w

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B/D

Drainage class: somewhat poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Ap,A1 0 to 36 in	fine sandy loam	moderately rapid	5.02 to 5.73 in	6.1 to 7.3
A2,AB 36 to 43 in	loam	moderate	0.99 to 1.20 in	6.1 to 7.3
2Btg 43 to 60 in	loam	moderately rapid	1.86 to 2.88 in	5.6 to 7.3
2BCa 60 to 80 in	fine sandy loam	moderately rapid	2.01 to 3.01 in	7.4 to 7.8

Forestcity

Extent: 30 to 50 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): drainageways on moraines

Wind erodibility group (WEG): 3

Slope gradient: 1 to 3 percent

Wind erodibility index (WEI): 86

Parent material: colluvium over till

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2w

Flooding: none

Hydric soil: yes

Ponding: none

Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A1 0 to 36 in	fine sandy loam	moderately rapid	5.02 to 5.73 in	6.1 to 7.3
A2,AB 36 to 43 in	loam	moderate	0.99 to 1.20 in	6.1 to 7.3
2Btg 43 to 60 in	loam	moderately rapid	1.86 to 2.88 in	5.6 to 7.3
2BCa 60 to 80 in	fine sandy loam	moderately rapid	2.01 to 3.01 in	7.4 to 7.8



Aveilable water

Wright County, Minnesota

L330A--Muskego, Blue Earth and Houghton soils, lundlake catena, 0 to 1 percent slopes, ponded

Muskego, ponded

Extent: 0 to 100 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Lco -- 36 to 60 in

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Hydric soil: yes

slow

Hydrologic group: C/D

Potential for frost action: high

Available water

4.32 to 5.76 in 7.4 to 8.4

Representative soil profile:	Texture	Permeability	capacity	pН
Oa1 0 to 9 in	muck	moderately rapid	3.17 to 4.07 in	_
Oa2 9 to 36 in	muck	moderately rapid	9.37 to 12.05 in	

Blue Earth, ponded

Extent: 0 to 100 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): depressions on moraines Wind erodibility group (WEG): 8

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 0

coprogenous earth

Parent material: coprogenous earth over till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 8w

Flooding: none Hydric soil: yes

Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
A 0 to 50 in	silt loam	moderate	9.00 to 12.00 in	7.4 to 8.4
Ca 50 to 60 in	silt loam	moderate	1.77 to 2.36 in	7.4 to 8.4



Wright County, Minnesota

L330A--Muskego, Blue Earth and Houghton soils, lundlake catena, 0 to 1 percent slopes, ponded

Houghton, ponded

Extent: 0 to 100 percent of the unit

Soil loss tolerance (T factor): 2

Landform(s): depressions on moraines

Wind erodibility group (WEG): 8

Stone gradient: 0 to 1 percent

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 0

Parent material: organic material Kw factor (surface layer) .02

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 8w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: A/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:

Texture

Permeability

Available water capacity

PH

Oa -- 0 to 80 in muck moderately rapid 27.97 to 35.96 in

L331A--Klossner muck, lundlake catena, 0 to 1 percent slopes

Klossner, drained, lundlake catena

Extent: 65 to 85 percent of the unit

Landform(s): depressions on moraines

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 134

Flooding: none Hydric soil: yes

Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil	profile:	Texture	Permeability	Available water capacity	рН
Op,Oa 0 to	26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 26 to	36 in	mucky silty clay loam	moderate	2.17 to 2.56 in	6.1 to 7.4
2A2 36 to	48 in	silty clay loam	moderate	2.20 to 2.69 in	6.1 to 7.4
2Cg 48 to	80 in	sandy loam	moderately rapid	3.19 to 4.78 in	7.4 to 7.8



Wright County, Minnesota

L334A--Houghton and Muskego soils, lundlake catena, 0 to 1 percent slopes

Houghton, surface drained

Extent: 20 to 60 percent of the unit Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent Parent material: organic material

Restrictive feature(s): greater than 60 inches

Flooding: none
Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 2 Wind erodibility index (WEI): 134

Kw factor (surface layer) .02 Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: A/D

moderately rapid 27.97 to 35.96 in

Potential for frost action: high

Representative soil profile:

Texture

Permeability

Available water capacity

pH

Oa -- 0 to 80 in muck

Muskego, surface drained

Extent: 20 to 60 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2 Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Available water

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	capacity	рН
Oa1 0 to 9 in	muck	moderately rapid	3.17 to 4.07 in	
Oa2 9 to 36 in	muck	moderately rapid	9.37 to 12.05 in	
Lco 36 to 60 in	coprogenous earth	slow	4.32 to 5.76 in	7.4 to 8.4

Wright County, Minnesota

L335A--Klossner soils, lundlake catena, 0 to 1 percent slopes

Klossner, surface drained, lundlake catena

Extent: 50 to 100 percent of the unit Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over loamy deposits

Restrictive feature(s): greater than 60 inches

Flooding: none
Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Oa 0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 26 to 33 in	silt loam	moderate	1.56 to 1.84 in	6.1 to 7.4
2A2 33 to 40 in	loam	moderate	1.28 to 1.56 in	6.1 to 7.4
2Cg 40 to 80 in	sandy loam	moderately rapid	3.98 to 5.96 in	7.4 to 7.8

Klossner, drained, lundlake catena

Extent: 0 to 40 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over loamy deposits

Restrictive feature(s): greater than 60 inches

Flooding: none
Ponding: frequent

Fortaing. Trequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

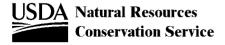
Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Op 0 to 10 in	muck	moderately rapid	3.44 to 4.72 in	
Oa 10 to 26 in	muck	moderately rapid	5.65 to 7.75 in	
2A1 26 to 36 in	mucky silty clay loam	moderate	2.17 to 2.56 in	6.1 to 7.4
2A2 36 to 48 in	silty clay loam	moderate	2.20 to 2.69 in	6.1 to 7.4
2Ca 48 to 80 in	sandy loam	moderately rapid	3.19 to 4.78 in	7.4 to 7.8



Wright County, Minnesota

L347A--Klossner and Lundlake soils, 0 to 1 percent slopes, ponded

Klossner, lundlake catena, ponded

Extent: 0 to 100 percent of the unit

Landform(s): depressions on moraines

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 0

Parent material: organic material over loamy deposits

Kw factor (surface layer) .02

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 8w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Oa 0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 26 to 33 in	silt loam	moderate	1.56 to 1.84 in	6.1 to 7.4
2A2 33 to 40 in	loam	moderate	1.28 to 1.56 in	6.1 to 7.4
2Cg 40 to 80 in	sandy loam	moderately rapid	3.98 to 5.96 in	7.4 to 7.8

Lundlake, ponded

Extent: 0 to 100 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): depressions on moraines Wind erodibility group (WEG): 8
Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 0

Parent material: colluvium over till

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 8w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
A	0 to 26 in	mucky loam	moderate	4.42 to 5.72 in	6.6 to 7.3
Bg 2	26 to 56 in	loam	moderate	5.09 to 6.58 in	6.6 to 7.3
Bk :	56 to 60 in	sandy loam	moderately rapid	0.39 to 0.59 in	6.6 to 7.8



Wright County, Minnesota

L350A--Marcellon loam, 0 to 3 percent slopes

Marcellon

Extent: 75 to 95 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): rises on moraines

Wind erodibility group (WEG): 5

Slope gradient: 0 to 3 percent

Wind erodibility index (WEI): 56

Parent material: till

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 1

Flooding: none Hydric soil: no

Ponding: none Hydrologic group: B/D

Drainage class: somewhat poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 13 in	loam	moderate	2.21 to 3.12 in	5.6 to 7.3
Bt 13 to 32 in	loam	moderate	2.27 to 3.40 in	5.6 to 7.3
Bk 32 to 80 in	sandy loam	moderately rapid	3.36 to 6.72 in	7.4 to 8.4

L351A--Houghton muck, lundlake catena, 0 to 1 percent slopes

Houghton, drained

Extent: 65 to 85 percent of the unit

Landform(s): depressions on moraines

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 2

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 134

Parent material: organic material

Kw factor (surface layer) .02

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3w

Flooding: none

Hydric soil: yes

Ponding: frequent Hydrologic group: A/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Oap 0 to 10 in	muck	moderately rapid	3.44 to 4.43 in	
Oa 10 to 80 in	muck	moderately rapid	24.53 to 31.54 in	



Wright County, Minnesota

L355B--Koronis-Sunburg-Hawick complex, 2 to 6 percent slopes

Koronis

Extent: 40 to 60 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Kw factor (surface layer) .24

Land capability, nonirrigated: 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative soil profil	e: Texture	Permeability	capacity	рН
Ap 0 to 8 in	sandy loam	moderately rapid	1.02 to 1.42 in	5.6 to 7.3
Bt 8 to 31 in	sandy clay loam	moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk 31 to 43 in	fine sandy loam	moderately rapid	1.30 to 2.24 in	7.4 to 8.4
C 43 to 80 in	fine sandy loam	moderately rapid	4.07 to 5.92 in	7.4 to 8.4

Sunburg

Extent: 15 to 25 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 4 to 6 percent

Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 2e

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil pr	rofile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 10) in	sandy loam	moderate	1.97 to 2.17 in	6.6 to 8.4
C 10 to 60) in	fine sandy loam	moderately rapid	5.50 to 8.00 in	7.4 to 8.4



A collecte contact

Wright County, Minnesota

L355B--Koronis-Sunburg-Hawick complex, 2 to 6 percent slopes

Hawick

Extent: 10 to 20 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): hills on moraines

Wind erodibility group (WEG): 3

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .10

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil	profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to	7 in	sandy loam	rapid	0.21 to 0.92 in	6.1 to 7.8
Bw C 7 to	80 in	gravelly coarse sand	very rapid	1.46 to 4.37 in	7.4 to 8.4



Wright County, Minnesota

L355C2--Koronis-Sunburg-Hawick complex, 6 to 12 percent slopes, moderately eroded

Koronis, moderately eroded

Extent: 35 to 55 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 86

Parent material: till Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated: 3e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 8 in	sandy loam	moderately rapid	1.02 to 1.42 in	5.6 to 7.3
Bt	8 to 31 in	sandy clay loam	moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk 3	1 to 43 in	fine sandy loam	moderately rapid	1.30 to 2.24 in	7.4 to 8.4
C 4	3 to 80 in	fine sandy loam	moderately rapid	4.07 to 5.92 in	7.4 to 8.4

Sunburg, moderately eroded

Extent: 20 to 30 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .24

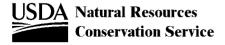
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 3e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	e soil profile:	Texture	Permeability	capacity	рН
Ар	0 to 10 in	sandy loam	moderate	1.97 to 2.17 in	6.6 to 8.4
C	10 to 60 in	fine sandy loam	moderately rapid	5.50 to 8.00 in	7.4 to 8.4



Available water

Wright County, Minnesota

L355C2--Koronis-Sunburg-Hawick complex, 6 to 12 percent slopes, moderately eroded

Hawick

Extent: 10 to 25 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): hills on moraines

Wind erodibility group (WEG): 5

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 56

Parent material: outwash

Kw factor (surface layer) .10

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4s

Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil	l profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to	7 in	gravelly sandy loam	rapid	0.21 to 0.92 in	6.1 to 7.8
Bw.C 7 to	80 in	gravelly coarse sand	very rapid	1.46 to 4.37 in	7.4 to 8.4



Wright County, Minnesota

L355D2--Koronis-Sunburg-Hawick complex, 12 to 18 percent slopes, moderately eroded

Koronis, moderately eroded

Extent: 30 to 50 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .24
Land capability, nonirrigated: 4e

Hydric soil: no Hydrologic group: A

Potential for frost action: moderate

Representative soil profile	e: Texture	Permeability	Available water capacity	рН
Ap 0 to 8 in	sandy loam	moderately rapid	1.02 to 1.42 in	5.6 to 7.3
Bt 8 to 31 in	sandy clay loam	moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk 31 to 43 in	fine sandy loam	moderately rapid	1.30 to 2.24 in	7.4 to 8.4
C 43 to 80 in	fine sandy loam	moderately rapid	4.07 to 5.92 in	7.4 to 8.4

Sunburg, moderately eroded

Extent: 20 to 40 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86 Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydrologic group: B

Potential for frost action: moderate

| Available water |

Representative	e soil profile:	Texture	Permeability	capacity	рН
Ар	0 to 7 in	sandy loam	moderate	1.42 to 1.56 in	6.6 to 8.4
C	7 to 60 in	fine sandy loam	moderately rapid	5.80 to 8.44 in	7.4 to 8.4



Wright County, Minnesota

L355D2--Koronis-Sunburg-Hawick complex, 12 to 18 percent slopes, moderately eroded

Hawick

Extent:10 to 20 percent of the unitSoil loss tolerance (T factor): 5Landform(s):hills on morainesWind erodibility group (WEG): 5Slope gradient:12 to 18 percentWind erodibility index (WEI): 56Parent material:outwashKw factor (surface layer).17

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 6s

Flooding: none

Hydric soil: no

Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 7 in	gravelly sandy loam	rapid	0.21 to 0.92 in	6.1 to 7.8
Bw	7 to 20 in	gravelly loamy coarse sand	rapid	0.39 to 1.30 in	6.1 to 7.8
Bk	20 to 60 in	gravelly coarse sand	very rapid	0.80 to 2.39 in	7.4 to 8.4



Wright County, Minnesota

L355E--Koronis-Sunburg-Hawick complex, 18 to 40 percent slopes

Koronis

Extent: 30 to 70 percent of the unit Landform(s): hills on moraines Slope gradient: 18 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .24
Land capability, nonirrigated: 6e

Hydric soil: no Hydrologic group: A

Potential for frost action: moderate

Available water

Representative soil profile:	Texture	Permeability	capacity	рН
A 0 to 5 in	fine sandy loam	moderately rapid	0.67 to 0.92 in	5.6 to 7.3
Bt 5 to 21 in	fine sandy loam	moderately rapid	2.36 to 2.99 in	5.6 to 7.3
Bk 21 to 60 in	fine sandy loam	moderately rapid	4 29 to 6 24 in	7.4 to 8.4

Sunburg

Extent: 15 to 25 percent of the unit

Landform(s): hills on moraines

Slope gradient: 18 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

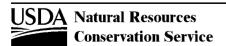
Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .24
Land capability, nonirrigated: 7e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Available water ...

Representative soil profile	e: l'exture	Permeability	capacity	рН
A 0 to 7 in	fine sandy loam	moderate	1.42 to 1.56 in	6.6 to 8.4
C 7 to 60 in	fine sandy loam	moderately rapid	5.80 to 8.44 in	7.4 to 8.4



Wright County, Minnesota

L355E--Koronis-Sunburg-Hawick complex, 18 to 40 percent slopes

Hawick

Extent: 10 to 25 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Slope gradient: 18 to 40 percent

Wind erodibility index (WEI): 134

Parent material: outwash

Kw factor (surface layer) .17

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 7s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative soil profile:	Texture	Permeability	Available water capacity	рН
A 0 to 14 in	gravelly loamy sand	rapid	0.43 to 1.84 in	6.1 to 7.8
Bk 14 to 60 in	gravelly coarse sand	rapid	1.37 to 4.57 in	6.1 to 7.8



Wright County, Minnesota

L357D2--Koronis-Sunburg complex, 12 to 18 percent slopes, moderately eroded

Koronis, moderately eroded

Extent: 55 to 75 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Slope gradient: 12 to 18 percent

Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: well drained Potential for frost action: moderate

Representative so	oil profile:	Texture	Permeability	capacity	pН
Ap 0	to 8 in	sandy loam	moderately rapid	1.02 to 1.42 in	5.6 to 7.3
Bt 8	to 31 in	sandy clay loam	moderately rapid	3.48 to 4.41 in	5.6 to 7.3
Bk 31	to 43 in	fine sandy loam	moderately rapid	1.30 to 2.24 in	7.4 to 8.4
C 43	to 80 in	fine sandy loam	moderately rapid	4.07 to 5.92 in	7.4 to 8.4

Sunburg, moderately eroded

Extent: 15 to 35 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Slope gradient: 12 to 18 percent

Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .24

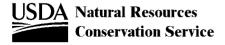
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated: 4e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 8 in	loam	moderate	1.57 to 1.73 in	6.6 to 8.4
Bk	8 to 20 in	fine sandy loam	moderately rapid	1.34 to 2.32 in	7.4 to 8.4
C 2	20 to 80 in	fine sandy loam	moderately rapid	6.58 to 9.57 in	7.4 to 8.4



A collecte contact

Wright County, Minnesota

W--Water

Water

Extent: 100 percent of the unit Soil loss tolerance (T factor):

Landform(s): Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated:

Flooding: Hydric soil:
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

This report provides a semitabular listing of some soil and site properties and interpretations that are valuable in communicating the concept of a map unit. The report also provides easy access to the commonly used conservation planning information in one place. The major soil components in each map unit are displayed. Minor components may be displayed if they are included in the database and are selected at the time the report is generated.

